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| 4 | AMERICA,) Deposition of. | 5 | | |
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| |) | 7 | | |
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| 23 24 | Reporter: Dawn M. Perry, CSR | 24 | | |
| 25 | Notary Public in and for the State of Utah | 25 | | |
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Johnson, Neldon Vol. 2

| 1 | Page 5 the other fellow, but I don't know that that I've | 1 | Page 7 your task for today is to give full and complete |
|--|--|--|---|
| | | | answers. |
| | entered an appearance just yet. | | |
| 3 | MS. HEALY GALLAGHER: Okay. | 3 | Do you understand that obligation? |
| 4 | MR. SNUFFER: All right. | 4 | A. Yes. |
| 5 | MR. MORAN: And I'm Christopher Moran | 5 | Q. Now, it's my obligation to ask |
| | appearing on behalf of the United States. | | understandable questions to you. So if you don't |
| 7 | And with us on the phone is Erin Hines, | | understand a question for any reason, please let me |
| 8 | 5 | | know. Will you do that? |
| 9 | MS. HEALY GALLAGHER: And also in the room | | A. Yes. |
| | is Ms. Glenda Johnson. | 10 | Q. Sometimes it will happen that you will |
| 11 | Q. All right. This deposition will be | 11 | 5 |
| | governed by the Federal Rules of Civil Procedure and | | later in the deposition you may remember additional |
| | the local rules of the District of Utah. | | information or be able to clarify something about |
| 14 | I believe for today all exhibits will be | | your previous answer. When that occurs, if it |
| | marked and kept by the court reporter. | | occurs, please tell me that there is something you |
| 16 | MR. MORAN: Yes. | | would like to add or clarify about an earlier answer |
| 17 | MS. HEALY GALLAGHER: Any other | | and we will take care of that right away. |
| | stipulations we will address as the need arises. | 18 | Will you do that? |
| 19 | Q. Mr. Johnson, we've met before. As I've | 19 | A. Yes. Thank you. |
| | just said, my name is Erin Healy Gallagher, and I | 20 | Q. I'll try to take I'll try to remember |
| | will be taking your deposition today. | | to take a break every 90 minutes or so, but if you |
| 22 | You've given four depositions so far in | | need a break at any time, please let me know. |
| | this case, but I'm going to go over the ground rules | 23 | Will you do that? |
| | again just so we're all on the same page. | 24 | A. Yes. |
| 25 | A. Okay. | 25 | Q. If there is a question pending, though, I |
| | | | |
| | Page 6 | | Page 8 |
| 1 | Q. So in this deposition I will ask you | | will ask that you complete your answer first and then |
| 2 | Q. So in this deposition I will ask you questions. My questions and your answers will be | 2 | will ask that you complete your answer first and then we can take a break. Okay? |
| 2 3 | Q. So in this deposition I will ask you questions. My questions and your answers will be recorded by the court reporter sitting here. So | 2 3 | will ask that you complete your answer first and then we can take a break. Okay? A. Okay. |
| 2 3 4 | Q. So in this deposition I will ask you questions. My questions and your answers will be recorded by the court reporter sitting here. So please speak loudly enough for her to hear you, and | 2 3 4 | will ask that you complete your answer first and thenwe can take a break. Okay?A. Okay.Q. Similarly, if you want to talk to your |
| 2 3 4 5 | Q. So in this deposition I will ask you questions. My questions and your answers will be recorded by the court reporter sitting here. So please speak loudly enough for her to hear you, and answer my questions verbally. | 2 3 4 5 | will ask that you complete your answer first and thenwe can take a break. Okay?A. Okay.Q. Similarly, if you want to talk to yourattorney, Mr. Snuffer, that's fine; however, if there |
| 2 3 4 5 6 | Q. So in this deposition I will ask you questions. My questions and your answers will be recorded by the court reporter sitting here. So please speak loudly enough for her to hear you, and answer my questions verbally. Will you do those things? | 2 3 4 5 6 | will ask that you complete your answer first and then we can take a break. Okay? A. Okay. Q. Similarly, if you want to talk to your attorney, Mr. Snuffer, that's fine; however, if there is a question pending or if you're in the middle of |
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| | Page 9 | | Page 11 |
|--|--|--|--|
| 1 | or comprehension? | 1 | Q. Let's turn to the page marked |
| 2 | A. No. | | Qualifications, please. |
| 3 | Q. Is there any other reason you can think of | 3 | 5 |
| 4 | why you might not be able to answer my questions | | |
| 5 | fully and accurately today? | | Qualifications page is, "Mr. Johnson is the primary |
| 6 | A. No. | 6 | inventor of the Self-Check system, AFIM, and the DWM |
| 7 | Q. All right, Mr. Johnson. Would you please | 7 | technologies." |
| 8 | face the court reporter? | 8 | Did I read that correctly? |
| 9 | A. You bet. Thank you. | 9 | A. That's correct. |
| 10 | Q. Thank you. | 10 | Q. Okay. What, if anything, does the |
| 11 | We're here today because you have | 11 | self-check system have to do with the solar energy |
| | submitted an expert report in this case. | 12 | technology at issue in this case? |
| 13 | Do you understand that? | 13 | A. Well, there's lots of programing |
| 14 | A. Yes. Uh-huh. | 14 | available, and there's a lot of technology that is |
| 15 | Q. Okay. So as part of your expert report | 15 | associated with the various ways that that |
| 16 | you attached well, here, I can just hand it to | 16 | interact with computer systems. |
| 17 | you. We'll just do it right now. | 17 | Q. Well, let's start with this. What is the |
| 18 | (EXHIBIT643 WASMARKED.) | 18 | self-check system? |
| 19 | Q. Mr. Johnson, you've been handed what's | 19 | A. You've seen those self-checkouts in |
| 20 | been marked Plaintiff's Exhibit 643. | 20 | Walmart where you check your own self out. |
| 21 | A. Okay. | 21 | Q. Sure. So you're talking about |
| 22 | Q. Do you recognize Plaintiff's Exhibit 643? | 22 | A. Those are my patents. |
| 23 | A. Ido. | 23 | Q. At grocery stores there is the option to |
| 24 | Q. Is this the expert report of | 24 | go in a traditional check-out line with a cashier |
| 25 | Neldon Johnson that you submitted to the United | 25 | that totals up your purchase, correct? |
| | Page 10 | | Page 12 |
| | | | |
| 1 | States in this case? | 1 | A. That's correct, yeah. |
| 2 | States in this case? A. I did. | 2 | A. That's correct, yeah.Q. And then there is the option to do |
| 2 3 | States in this case? A. I did. Q. If you look at page 26 of 26 of the | 2 3 | A. That's correct, yeah. Q. And then there is the option to do self-checkout |
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| 1 | | | |
|---|---|---|--|
| 1 | Page 13 | 1 | Page 15 |
| | I can't remember the name. Where they where you can have multiple screens. | 1 | A. Well, in this context, we were only referring to the limited system that is developed |
| 3 | | | around the solar energy-capturing system, along with |
| 4 | | | the some of the components that are used in |
| 5 | | | conjunction in the operation of the solar solar |
| | did. | | system. |
| 7 | | 7 | However, we don't mean it to mean that |
| | your report. | 8 | this is the only system that the lenses in particular |
| 9 | | | could be used for. This is just a subset of the |
| 10 | 5 | | things of the items that we use at this particular |
| | paragraph. | | time, but it's not limited to only just that |
| 12 | | | this this system. So the solar energy system can |
| 13 | | | be used in by various technologies, including a |
| | sentence of your report. | | traditional turbine see, so we're |
| 15 | | 15 | Q. I'm going to stop you there. Thank you, |
| | explain the several components to the energy | | sir. |
| | production system designed and operated by | 17 | A. Okay. |
| | International Automated Systems, Inc. (hereafter 'IAS | 18 | Q. What I would like to know is what |
| | System')." | | components are a part of the IAS system that you |
| 20 | | | identify in this first sentence of your report. |
| 21 | correct? | 21 | A. Okay. That's what I'm trying to |
| 22 | A. Correct. | 22 | explain that to you because what what I'm saying |
| 23 | Q. Okay. So, Mr. Johnson, in broad strokes, | | is the IAS system could include |
| 24 | what is the IAS system? | 24 | Q. No, no, no, sir. |
| 25 | A. I'm not sure I know. I I I'm not | 25 | A all of the systems. |
| | Page 14 | | Page 16 |
| 1 | sure in what context the IAS is we have 35 patents | 1 | Q. Stop. |
| 2 | 28 patents and 35 patent pendings. | 2 | A. Okay. |
| 3 | Q. Mr. Johnson, you wrote this sentence | 3 | Q. Listen to my question. |
| 4 | A. Right. | 4 | Please read it back. |
| 5 | Q so I want to know what you mean by "the | 5 | (Record was read as follows: "What I |
| 6 | energy production system designed and operated by | 6 | would like to know is what components are a part |
| 7 | International Automated Systems, Inc. (hereafter, IAS | 7 | |
| 8 | | | of the IAS system that you identify in this |
| 1 | system.)" | 8 | of the IAS system that you identify in this first sentence of your report.") |
| 9 | A. Okay. So this is the several components | 8 9 | first sentence of your report.") A. Well, this this critique is is |
| 9 10 | A. Okay. So this is the several components to the energy production system designed and operated | 9 10 | first sentence of your report.") A. Well, this this critique is is Q. Sir, non I object to the responsiveness |
| 9 10 11 | A. Okay. So this is the several components to the energy production system designed and operated by International Automated Systems, hereafter the | 9 10 11 | first sentence of your report.") A. Well, this this critique is is Q. Sir, non I object to the responsiveness of the answer. |
| 9 10 11 12 | A. Okay. So this is the several components to the energy production system designed and operated by International Automated Systems, hereafter the systems. So that would include all the various | 9 10 11 12 | first sentence of your report.") A. Well, this this critique is is Q. Sir, non I object to the responsiveness of the answer. A. Okay. |
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| | Page 17 | | Page 19 |
|---|--|--|---|
| 1 | Page 17 going to get out of this because I don't know what | 1 | However, this report is basically to to |
| 2 | you're talking about. | 2 | critique or the report of Mancini, not to have |
| 3 | Q. Sir, I think the problem is nobody knows | | not to identify the total system, but only those |
| 4 | what you're talking about. | | portion of the system that were relative to the |
| 5 | A. Well | | report in the system that Mancini reported upon. |
| 6 | Q. So we're going to read back the question | 6 | Does that help? |
| 7 | | 7 | Q. Mr. Johnson, your expert report in this |
| | question. | 8 | case is intended solely to rebut Dr. Mancini's |
| 9 | A. The IAS | 9 | report; is that correct? |
| 10 | Q. No. Listen to the question. | 10 | A. That is correct. |
| 11 | THE WITNESS: Okay, I'm sorry. | 11 | Q. And in Dr. Mancini's report he talked |
| 12 | (Record was read as follows: "What I | 12 | about he described a system that he saw on a |
| 13 | would like to know is what components are a part | | couple of site visits to Delta, Utah; isn't that |
| 14 | of the IAS system that you identify in this | | right? |
| 15 | first sentence of your report.") | 15 | A. He saw some of the components of the |
| 16 | A. Okay. From from my from my | | system that is developed down in the Delta, Utah, |
| | perspective, okay, the IAS system is the total system | | area; that is correct. |
| 1 | of all the components that are possibly available to | 18 | Q. Right, and thank you for clarifying that. |
| | us to use in producing energy, including the limited | | |
| 1 | system that we use are currently in the process of | 20 | A. Correct. |
| | using, but not limited to those items. The system | 21 | Q. He didn't see a whole system working, |
| | itself includes all of the products that are | | correct? |
| | available and have been produced or in patent | 23 | A. No, he saw the whole system working as far |
| 1 | pendings. | | as the the solar energy production system. He has |
| 25 | And so from my standpoint, when we're | | not seen this there's two different components. |
| | | | • |
| | Bago 18 | | Page 20 |
| 1 | Page 18 talking about the energy system that would include | 1 | 6 |
| | talking about the energy system, that would include | | There's the solar energy system, and then there's the |
| 2 | talking about the energy system, that would include the lenses, all of the components that describe the | 2 | There's the solar energy system, and then there's the solar energy then there's the energy IAS system. |
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| 2 3 4 5 6 | talking about the energy system, that would include the lenses, all of the components that describe the lenses, all of the components that comprise where the system is located, including the towers, the metal structures, including the piping, including the hydraulic system, but not limited to the hydraulic | 2 3 4 5 6 | There's the solar energy system, and then there's the solar energy then there's the energy IAS system. He has seen Q. I'm going to A. He has seen the entire he has saw the solar energy system working, both producing |
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| | | | |
|---|--|--|---|
| 1 | Page 21 | 1 | Page 23 |
| | concentrates that heat, that is a system, correct? A. Correct. | - | Mr. Johnson, in looking through your report I believe I have found a few opinions that yo |
| 2 | | | |
| 3 | Q. So it is your position, sir, that that | | purport to offer the court. Can you tell me what |
| | concentrated heat does not need to go anywhere in | | your opinions are in this case? |
| | order for that to be a system. | 5 | A. What are you referring to? |
| 6 | A. Correct. | 6 | Q. Have you formed any opinions in this |
| 7 | Q. And it's your position, sir, that that | | matter that you would like to share with the court? |
| | concentrated heat does not have to do anything to | 8 | A. These are these are not are these |
| 9 | create a system. | | not opinions; these are facts in this report. |
| 10 | A. It depends it depends on the term | 10 | Q. Well, Mr. Johnson, typically expert |
| | "system." What a system can be a component of | | witnesses testify to their opinions. And we can go |
| 12 | of a system, such as this computer is a system, but | | through the report, and I can try to pick out |
| 13 | without other components it will not operate this | 13 | opinions that I've identified that you state. |
| 14 | system. So when you add this system to this system, | 14 | A then, fine, we can address those |
| 15 | it creates a different system. | 15 | opinions. |
| 16 | Q. Mr. Johnson, I'm going to object to the | 16 | Q. Well, I'd like you to tell me at the |
| 17 | responsiveness of the answer. | | outset what your opinions are that you would like to |
| 18 | A. Well, then define what you mean by the | 18 | share with the court in this case. |
| 19 | word "system" so I can know what you are talking | 19 | A. From from what I what I feel like |
| 20 | about. | 20 | this report is, is mainly just a rebuttal against |
| 21 | Q. You know what, sir? I'm trying to | 21 | Mancini's, which is which is a fact a fact |
| 22 | understand what you are talking about. So | 22 | issue. And from that from my understanding this |
| 23 | A. Well, we lack a lot of information because | 23 | isn't my this isn't my opinion; these are these |
| 24 | of our different knowledges and technologies. And so | 24 | facts in response to Mancini's report. |
| 25 | I'm dealing with a I'm dealing with a cross | 25 | Now, I I I may express some opinions |
| | Page 22 | | Page 24 |
| 1 | section of what your knowledge is and what knowledge | 1 | on on on some things, but this isn't what this |
| | is it that you are going to present from this | | report was designed to do. |
| | point point of an attorney, and so I have to make | 3 | Q. Okay. So with this report, Mr. Johnson, |
| | sure that the system is defined across across the | | you are not attempting to explain to the court how |
| | two the two areas of of of our of what | | the IAS system works? |
| | we've learned. So the term "system" in the terms of | 6 | • |
| | what an attorney would refer to a system and what a | 7 | |
| | mat an attendy near refer to a cyclom and mat a | | G. Okav. |
| | system of technology is pretty hard to define And | - | Q. Okay. A. I mean there are elements in there |
| | system of technology is pretty hard to define. And so to make sure that the word makes sense to both of | 8 | A. I mean, there are elements in there |
| 9 | so to make sure that the word makes sense to both of | 8 9 | A. I mean, there are elements in there discussing those, but that's not the primary reason |
| 9 10 | so to make sure that the word makes sense to both of us, I need to know exactly what you're defining as a | 8 9 10 | A. I mean, there are elements in there discussing those, but that's not the primary reason for the addressing of these particular items. We're |
| 9 10 11 | so to make sure that the word makes sense to both of us, I need to know exactly what you're defining as a system. | 8 9 10 11 | A. I mean, there are elements in there discussing those, but that's not the primary reason for the addressing of these particular items. We're not not for that reason. If I were to go into an |
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| Page 25 A That is a new kind of modulation system | 1 | Page 27 evolved from from these segments of of |
|---|--|---|
| | | programing electronics into what we call integrated |
| - | | circuits today. |
| • | | Q. And what, if any, other courses besides |
| | | the home study course you took in 1966 have you taker |
| • • | | in electronics programing? |
| | | A. I believe I believe I've taken some in |
| | - | college from Brigham Young University, so I can't |
| | | remember any of them specifically the name, but it |
| • | | seemed like it was a COBOL programing course. |
| | | Q. Any other courses that you have taken in |
| | | electronics programing? |
| | | A. Not that I'm aware of. |
| - | | Q. Okay. What, if any, courses have you |
| , . | | taught in electronics programing? |
| | | A. We've just taught those that I |
| | | Q. No, sir, not "we." Who is "we"? |
| | | A. Myself. I taught to the various employees |
| | | that I've had. It so that they could be |
| | 20 | programers themselves. And so I taught mostly just |
| - | | my employees. |
| | | Q. Did you follow any curriculum from any |
| | | outside source in teaching your employees? |
| _ | 24 | A. I did. |
| | 25 | Q. What curriculum did you follow? |
| Page 26 | | Page 28 |
| | 1 | A. We followed |
| , | 2 | Q. Sir, we or I? |
| • | 3 | A. I followed the curriculum of I'm |
| Did I read that correctly? | 4 | trying to think of the name. C, C++, C Sharp. The |
| A. Correct. | 5 | older the older ones are I'm trying to think of |
| Q. What courses in electronics programing | | the name. It's Delphi, I think. Delphi. And some |
| have you taken? | 7 | of those others. |
| A. I was probably the first the first | 8 | Q. Mr. Johnson, the things you've just listed |
| actually programer in the state of Utah and I I | 9 | off are computer languages, correct? |
| took a a home study class from the university on | 10 | A. Correct. |
| programing in 1966, I believe. And that was when | 11 | Q. And what I asked you about was following a |
| | | Q. And what i doked you about was following a |
| computers were were very first started to be | 12 | curriculum to teach your employees, meaning a set |
| | | |
| computers were were very first started to be | 13 | curriculum to teach your employees, meaning a set |
| computers were were very first started to be used. And it was in conjunction with my work with | 13 14 | curriculum to teach your employees, meaning a set course of study as prescribed by some outside entity |
| computers were were very first started to be used. And it was in conjunction with my work with AT&T in in developing a way to eliminate help | 13 14 | curriculum to teach your employees, meaning a set course of study as prescribed by some outside entity other than yourself. Did you follow any curriculum |
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| computers were were very first started to be used. And it was in conjunction with my work with AT&T in in developing a way to eliminate help eliminate the use of operators in long distance calling rather than using the computer systems. So I | 13 14 15 16 17 | curriculum to teach your employees, meaning a set course of study as prescribed by some outside entity other than yourself. Did you follow any curriculum in teaching your employees? A. Yes, we followed the curriculum that was |
| computers were were very first started to be used. And it was in conjunction with my work with AT&T in in developing a way to eliminate help eliminate the use of operators in long distance calling rather than using the computer systems. So I was involved in learning learning about that | 13 14 15 16 17 | curriculum to teach your employees, meaning a set course of study as prescribed by some outside entity other than yourself. Did you follow any curriculum in teaching your employees? A. Yes, we followed the curriculum that was given that I bought in all those different |
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| | Page 26 Mr it says, "Mr. Johnson has taken training courses and has taught courses in electronics programing, microwave and wave switch programs." Did I read that correctly? A. Correct. Q. What courses in electronics programing have you taken? A. I was probably the first the first actually programer in the state of Utah and I I | It's it's a it's around electromagnetic2spectrum modulation. It's a new it's a3different you have the AFIM, and now we have DWM4systems there. We have several patents issued on5that project.6Q. What, if anything, does the DWM technology7have to do with the purported solar energy technology8IAS has put out?9A. I don't know that it has anything directly10to do but indirectly it explains my capability to11cross the whole spectrum of the technologies that we12 exist today.13Q. What, if anything, does the AFIM14technology have to do with the purported solar energy16A. It doesn't have anything directly to to17have to do with anything with the solar energy18technology. It just, again, identifies my abilities19to cross all the technologies and understand and20comprehend all the technologies that exist around us21and that I have been involved in in developing new22and ex new technologies around all of these23various technologies that exist in our society.2Q. In the first sentence of paragraph two,25Page 267Mr it says, "Mr. Johnson has taken training courses and has taught courses in electronics2programing, microwave and wave switch programs."3Did I read that correctly?4A. Correct.5Q. What courses in electronics programing have y |

| | Page 29 | | Page 31 |
|----|--|----|---|
| 1 | | 1 | switch programs, and that's the answer that I want. |
| 2 | And then we did some of the languages that | 2 | A. I I took several courses with AT&T on |
| 3 | were developed by Microsoft, which would be the | 3 | their microwave. That's what I did. I was in RF |
| 4 | the C Sharp. And then the C++ were developed by | 4 | engineering. I was an RF electrical engineer at 19 |
| 5 | several different companies. And I'm not familiar | 5 | years. |
| 6 | with I don't remember the names of the various | 6 | Q. Mr. Johnson, stop. |
| 7 | companies that developed the curriculum. | 7 | A. I took all these classes, and I took the |
| 8 | Q. Mr. Johnson | 8 | classes that were provided by the company to learn |
| 9 | A. But that's what I did. | 9 | their particular microwave systems. |
| 10 | Q have you taught any other courses in | 10 | Q. How many classes did you take regarding |
| 11 | electronics programing other than to your employees? | 11 | 1 5 |
| 12 | A. No, I have not. | 12 | A. Well, there were some we took when I went |
| 13 | Q. For any of the companies whose curriculum | | to school |
| | you purchased, did you have to obtain any credentials | 14 | |
| | in order to teach on behalf of those companies? | 15 | A UVU |
| 16 | A. No, I don't. | 16 | Q. Stop. Stop. |
| 17 | Q. Did you ever submit any lesson plans to | 17 | How many classes did you take to do with |
| | these companies? | | microwave and wave switch programs? |
| 19 | A. No, I have not. | 19 | A. Oh, I can't remember how many. There is a |
| 20 | Q. Did you ever submit any any work by | | lot of them. |
| | your student employees to any of these companies for | 21 | Q. More than five? |
| | grading or review? | 22 | A. More than five. |
| 23 | | 23 | Q. More than ten? |
| | clarification you may want. In 1979, in the process | 24 | |
| 25 | of developing the self-service checkout system, I | 25 | Q. Between five and ten? |
| | Page 30 | | Page 32 |
| | developed my own language for that particular computer system, including the compilers and the | 1 | A. I don't know. I really don't know. It's |
| | language and the various language components of that | 3 | a long time ago. Q. When did you take these microwave and wave |
| | system. So I did write my own language. I did write | | switch? |
| | my own software programing system, because there | 5 | A. Between 1965 and 1974. |
| | wasn't anything available at that time in in that | 6 | Q. What is what was the end result of |
| | area of on that particular computer that was | - | these classes in microwave and wave switch programs? |
| | available to be used in the programing. And so I | | What were you able to do after you were done? |
| | developed the very first compilers for some of these | 9 | A. I was working for AT&T and so what |
| | systems myself before these other other companies | | happened was is actually, what happened is, is I |
| 11 | | | had gone to several classes and and I had already |
| 12 | Q. Mr. Johnson, did you ever submit any | | demonstrated that I had the capacity to understand |
| | curriculum to any accrediting entity for this | | them before I went, and so they decided that I |
| | language that you came up with? | | wasn't I wasn't needed to go to all the class, |
| 15 | A. No. | | that I was qualified. |
| 16 | Q. Mr. Johnson, what training courses have | 16 | Q. My question was not clear, so I'm going to |
| 17 | you taken in microwave and wave switch programs? | 17 | stop you there. |
| 18 | A. When I worked for AT&T they were I have | 18 | A. Okay. |
| 19 | a I received a license in from from the | 19 | Q. So what was the skill that you acquired as |
| 20 | federal government was was allowing people to test | 20 | a result of the microwave and wave switch program |
| 21 | out at that particular time | 21 | courses that you took? |
| 22 | Q. Mr. Johnson, I'm going to stop you. | 22 | A. I had already acquired them by studying |
| 23 | A and so I | 23 | the material before I ever went. And so I had I |
| 24 | Q. No. Stop. Stop. I asked you what | | had qualified myself I am probably the only one at |
| 25 | training courses you have taken in microwave and wave | 25 | AT&T that had qualified themselves on every product |

| | Page 33 | | Page 35 |
|--|--|--|--|
| 1 | that AT&T had. And I qualified myself by taking | 1 | answer. |
| | their books home and reading them and studying them | 2 | Mr. Johnson, the answer is you don't know |
| | on my own. | 3 | whether any curriculum that you taught about |
| 4 | I then then they sent me to some | 4 | microwave and wave switch programs was submitted to |
| 5 | classes. They found out that I didn't need to go to | 5 | any accrediting agency. |
| 6 | those classes in order to work on their equipment. | 6 | A. It wouldn't be my responsibility, so I |
| 7 | They decided that I was qualified on all their | 7 | would not know. |
| 8 | equipment and I could work on all their equipment. I | 8 | Q. And you don't know? |
| 9 | was in the top ten engineers in the whole country at | 9 | A. No, I don't. |
| 10 | AT&T. | 10 | Q. And, Mr. Johnson, your tenure at AT&T |
| 11 | Q. Okay. Sir, what courses have you taught | 11 | ended in 1968, correct? |
| 12 | in microwave and wave switch programs? | 12 | A. I don't remember, but it seemed like it |
| 13 | A. Well, I I was given an assignment at | 13 | was right around there. |
| 14 | the at the AT&T to take take new employees | 14 | Q. Well, that's what your qualifications say. |
| 15 | and train them and teach them how their systems | 15 | A. Well, okay. It's probably true, then. I |
| 16 | worked and operated. | 16 | don't know. I didn't look them up. |
| 17 | Q. How many times did you teach that class? | 17 | Q. So the last course you taught for AT&T |
| 18 | A. Hundreds of times. I don't know. There | 18 | would have been in 1968, right? |
| 19 | were a lot of there was a lot of times. | 19 | A. Probably. |
| 20 | Q. Let me finish my question before you | 20 | Q. Mr. Johnson, what, if anything, does |
| 21 | | | microwave and wave switch programing have to do with |
| 22 | A. Okay. I'm sorry. | | anything involved in solar energy technology that IAS |
| 23 | Q. How many times did you teach that course? | | has put out? |
| 24 | A. I don't know. There were lots of times, | 24 | A. It's the same. It's just to demonstrate |
| 25 | because I I had an assignment to teach new | 25 | that I have the capacity to go beyond various |
| | | | |
| | Page 34 | | Page 36 |
| | employees how to develop how to how to work on | | technologies, and I understand and comprehend those |
| 2 | employees how to develop how to how to work on particular equipment. I knew all the equipment. And | 2 | technologies, and I understand and comprehend those technologies. |
| 2 3 | employees how to develop how to how to work on particular equipment. I knew all the equipment. And so they assigned me to teach on almost all their | 2 3 | technologies, and I understand and comprehend those technologies. Q. Mr. Johnson, is there any direct link |
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| Page 37 | Page 39 |
| 1 A. Well, we mostly we were to maintain the | 1 automate the use of the energy systems in a way that |
| 2 equipment. And then I did drawings for introducing | 2 we can reduce employees to monitor the the way |
| 3 new equipment, checking out what new equipment's been | 3 that different components are acting and if they're |
| 4 available, helping develop a few new concepts on | 4 acting properly, or if they need to be maintained for |
| 5 various equipment. Just normally what an engineer | 5 any particular reason. |
| 6 does. | 6 Q. What, if anything, does the communications |
| 7 Q. What equipment did you maintain? | 7 technology that you worked on at AT&T from 1965 to |
| 8 A. From I actually maintained all of it, | 8 1968 have to do with how solar radiation purportedly |
| 9 from crossbar to the local switching offices, to all | 9 may move through any system to generate electricity? |
| 10 the way up to all of the modulation systems that are | 10 A. Oh, just to monitor the movements, making |
| 11 developed before you hit the microwave side, | 11 sure that they're tracking properly and and |
| 12 including FM, AM, modulation systems, multiplex | 12 tracking the sun properly. |
| 13 systems. | 13 (Discussion off the record.) |
| 14 Then microwave modulation is including the | 14 Q. Mr. Johnson, from 1965 to 1968 at AT&T, |
| 15 including the latest. And the last one that was | 15 what, if any, time did you spend on solar energy |
| 16 developed was I'm trying to think of the name. | 16 technology? |
| 17 Anyway, it was a it was a new system, just out, | 17 A. We we we helped we were |
| 18 and I was probably the first one to install it and | 18 working and it's part of the education system |
| 19 maintain it and put one online. | 19 Q. Sir, stop right there. We or I? |
| 20 Q. And we're talking about telephone systems, | 20 A. I. I. I'm sorry. I. |
| 21 correct? | 21 Q. I. |
| A. Well, the communication systems, but it | A. I I was involved in some of the |
| 23 goes yeah, it goes way beyond way beyond | 23 technology that developed the actually, the solar |
| 24 telephones. | 24 cells. |
| 25 Q. What else besides telephones did the | 25 Q. What solar cells? |
| Page 38 | Page 40 |
| 1 communication system involve in 1965 to 1968? | 1 A. The solar cells that capture solar energy. |
| 2 A. All the communications, including | 2 Q. So your testimony, sir, is that from 1965 |
| 3 broadband communications of of your televisions. | 3 to 1968 AT&T was developing solar cells to capture, |
| 4 We even got involved in some areas of | 4 what, solar radiation? |
| 5 of new technologies such as sensing when when a | 5 A. That's part of it, but we were using it |
| 6 communication wire was active and not active in order | 6 using it for other reasons. That's the first time we |
| 7 to share communications and to create a denser | 7 were we were beginning to use a light for |
| 8 communication system by taking out the pauses in a | 8 communication. |
| 9 person's sentences to develop a system to utilize | 9 And part of the solar cell system was |
| 10 long lines in a way that we could put more | 10 developed through AT&T's work on developing this type |
| 11 information over, including microwave. | 11 of communication. And I had I got in I got to |
| 12 MS. HEALY GALLAGHER: Off the record, | 12 where I was just briefly involved in some of the area |
| 13 please. | 13 that that indicated how the system would how |
| | - |
| 14 (Discussion off the record.) | 14 solar cells would work and how solid state physics |
| 14 (Discussion off the record.)15 MS. HEALY GALLAGHER: Back on, please. | - |
| | 14 solar cells would work and how solid state physics |
| 15 MS. HEALY GALLAGHER: Back on, please. | 14 solar cells would work and how solid state physics 15 actually create the ability for a a solar panel 16 to to change light to electricity. 17 And from that we were able, then, to |
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| | Page 41 | | Page 43 |
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| 1 | A. Both that and the the cabling. What do | 1 | working on the early distant warning system is |
| | they call that? Candlelight the laser light that | 2 | not relevant to the content of your report in |
| | we use in communication today was the forerunner to | 3 | |
| 1 | that. | 4 | A. Well, I only felt like it was a |
| 5 | MR. SNUFFER: Fiber optics. | 5 | |
| 6 | THE WITNESS: Fiber optics. That's what | 6 | the the experience I had with AT&T indicated that |
| 7 | I'm looking the name is. I'm sorry. It's the | | I had the ability to to cross various technologies |
| 1 | forerunner to fiber the fiber optics | | and understand various components. And it was a |
| 9 | communications. And the isolation circuits on solid | 9 | similar a similar experience with the it wasn't |
| 10 | state, isolating circuits using light to isolate | 10 | any more it was less in-depth doing this this |
| | high-voltage circuits from other circuits in order to | 11 | system up in Alaska than it was with AT&T. And AT&T |
| 12 | make those able to communicate back and forth without | 12 | covered mainly the same the same material, the |
| 13 | damaging equipment. | 13 | same technologies. |
| 14 | Q. (BY MS. HEALY GALLAGHER) Mr. Johnson, ir | 14 | Q. What were your job tasks for the seven |
| 15 | your three years at AT&T, imagine that as a whole pie | 15 | years that you were working on the early distant |
| 16 | of 100 percent, about how much time of that pie did | 16 | warning system in Alaska? |
| 17 | you spend on anything to do with solar energy | 17 | A. I only I only worked I only worked |
| 18 | technology? | 18 | there for about seven months, eight months. |
| 19 | A. Other than what I just told you, I don't | 19 | Q. All right. Well, Mr. Johnson, I asked you |
| 20 | know. It would be just a small alternative. | 20 | about the gap from 1968 to 1975 and you identified |
| 21 | Q. Ten percent? | 21 | the early distant warning system. |
| 22 | A. Less than probably less than ten | 22 | A. Right. We only got started. That's |
| | percent. | 23 | Q. Uh-huh. Okay. What else is in that gap |
| 24 | Q. Five percent? | 24 | between 1968 and 1975? |
| 25 | A. Probably one or two percent. | 25 | A. Well, mainly I was developing my own my |
| | Page 42 | | Page 44 |
| 1 | Q. One or two percent of three years? | | own businesses. Let's see. What did I do? I |
| 2 | A. Right. Yeah. | 2 | attended some classes at Brigham Young University, I |
| 3 | Q. Mr. Johnson, the next sentence in your | | |
| | a differentia estante di 4075. Os estas a state | | believe in physics. There may have been some some |
| 4 | qualifications starts with 1975. So can you explain, | 4 | additional higher-level mathematics above calculus. |
| 4 5 | what were you doing between 1968 and 1975? | 4 5 | additional higher-level mathematics above calculus. We had taken some calculus before that. |
| 4 5 6 | what were you doing between 1968 and 1975? A. Yeah. Yes. I I had an opportunity to | 4 5 6 | additional higher-level mathematics above calculus. We had taken some calculus before that. And so that was and some mathematical |
| 4 5 6 7 | what were you doing between 1968 and 1975?A. Yeah. Yes. I I had an opportunity to go to work with the early distant warning system that | 4 5 6 7 | additional higher-level mathematics above calculus. We had taken some calculus before that. And so that was and some mathematical mathematics on Einstein's physics. |
| 4 5 6 7 8 | what were you doing between 1968 and 1975?A. Yeah. Yes. I I had an opportunity to go to work with the early distant warning system that was put up in Alaska along the Arctic Circle for | 4 5 6 7 8 | additional higher-level mathematics above calculus. We had taken some calculus before that. And so that was and some mathematical mathematics on Einstein's physics. Let's see. What other class did I take? |
| 4 5 6 7 8 9 | what were you doing between 1968 and 1975? A. Yeah. Yes. I I had an opportunity to go to work with the early distant warning system that was put up in Alaska along the Arctic Circle for protection against nuclear attacks by Russia, | 4 5 6 7 8 9 | additional higher-level mathematics above calculus. We had taken some calculus before that. And so that was and some mathematical mathematics on Einstein's physics. Let's see. What other class did I take? Just just mostly mostly classes in upper |
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| | | - | |
|--|--|--|--|
| 1 | Page 45 Q. What were your job tasks? | 1 | Page 47 dates are I don't remember. You can't get me on |
| 2 | | | - |
| | A. Mine was probably to oversee the | | the exact dates. It's been a long time ago. |
| 3 | 2 | 3 | Q. All right. We'll talk about your classes in a moment, but you said that between 1968 and 1975 |
| | maintenance. And mostly teaching other people how to | | • |
| | maintain those equipment that equipment. So | | you developed businesses, right? |
| | that's my tasks. | 6 | A. Right. Right. Yeah. |
| 7 | Q. When you say "microwave systems," what do | 7 | Q. What businesses were those? |
| | you mean by that? | 8 | A. There was electronics there was |
| 9 | A. Well, when when we had we had a big | 9 | electronic businesses that I got involved with. And |
| | radar system, okay, that overlooked Russia from an | | there were some work that I did on some patents or |
| | island on Shemya and around the installations | | patent pendings that I was getting involved with. |
| | around the Arctic Circle, from Canada, clear clear | 12 | 5 |
| | across the Alaska, and then out to the Aleutian | | lie detector that I was developing and marketing |
| | island chain. | | and and utilizing in various applications. And we |
| 15 | And from the Aleutian island chain we had | | developed a new voice lie detector system. And then |
| 1 | a huge the biggest radar system was on the | | I got involved in using that for some oil companies |
| 17 | Aleutian island chain. We could see from from the | 17 | to monitor their employees at various locations |
| 18 | islands clear into Moscow above the anything could | 18 | across the country. |
| | be tracked above the mountains. Anything that came | 19 | Q. Between 1968 and 1975 did you develop any |
| 20 | above the height of the mountains we could track from | 20 | other businesses besides this electronics business |
| 21 | the islands the Aleutian island chain. | 21 | and a business regarding the voice recognition-lie |
| 22 | And from that, then we would send that | 22 | detector? |
| 23 | information to, I think, NORAD down in most of it | 23 | A. Oh, we could have got involved in some |
| 24 | went to the Denver mountain in in Denver, to be | 24 | insurance health insurance companies or and we |
| 25 | able to track all of the planes and if there was a | 25 | did and I could have got involved with some real |
| | | | |
| | Page 46 | | Page 48 |
| 1 | Page 46 missile to be launched, that we tracked as well. And | 1 | Page 48 estate. |
| | 5 | 1 | estate. |
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| 1 | Page 49 A. It was to develop new technologies, | 1 | Page 51 function to create a different outcome. But the |
| | mainly. And, also, then we we repaired other | | circuits themselves don't change, see. |
| 3 | | 3 | Q. Mr. Johnson, other than the fact that both |
| | three with the repairings we got in some of | | use electronics components, is there any direct |
| | it was in medical equipment; some was in consumer | | connection between your electronics business and the |
| | consumer equipment. It was a variety of technologies | | purported solar energy technology that IAS holds out |
| | | | in this case? |
| 1 | that we maintained for other people. | | |
| 8 | Q. What, if anything, about your electronics | 8 | MR. SNUFFER: I'm going to object. It's |
| 9 | business has a direct relationship with any of the | 9 | been asked and answered. |
| | solar energy technologies that IAS purports to put | 10 | But go ahead, if you can? |
| 11 | out in this case? | 11 | THE WITNESS: Well |
| 12 | A. Well, I think there is some knowledge | 12 | Q. (BY MS. HEALY GALLAGHER) And if the |
| | | | answer is "no," Mr. Johnson, just say no. |
| 14 | electricity, electronics and in the controlling of | 14 | A. Well, it I use a capacitor in a circuit |
| | the circuits, including the the voltage control | | that I use my voltage control board for which also |
| 1 | board, the the patents on new photovoltaics. | | was used in my circuit that I use, say, for my |
| 17 | Q. Sir, other than the fact other than the | | voice-recognition system. So in that instance, see, |
| | fact that both involve the use of electricity, is | | 5 |
| 19 | there any other direct connection between your | | capacitor in this circuit is the same knowledge I |
| 20 | | 20 | would have to use that same capacitor in this |
| | technology that IAS has put out in this case? | 21 | circuit, because they follow the same laws and the |
| 22 | A. See, that's a that's kind of a kind | 22 | same mathematics. So in the terms of using the |
| 23 | of a weird kind of a question, because this computer | 23 | mathematics to derive the various patents, then they |
| 24 | system over here doesn't use anything different than | 24 | are equivalent. |
| 25 | a radio. | 25 | If you're saying that they are directly |
| | | | |
| | Page 50 | | Page 52 |
| 1 | Page 50 Q. Object to responsiveness of the answer. | 1 | Page 52 involved, the the if you are saying directly |
| 1 | | | - |
| | Q. Object to responsiveness of the answer. | 2 | involved, the the if you are saying directly |
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| 2 3 4 5 6 | Q. Object to responsiveness of the answer.A. So is that related?Q. Mr. Johnson, other than the fact that both use electricity, is there any other direct relationship between your electronics business and | 2 3 4 5 6 | involved, the the if you are saying directly that the the the same concept of recognizing a person's voice and looking at the stress components, and looking at a solar receiver or a voltage control board, then you would have to say they are not |
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| 1 | Page 53 business and operating IAS and utilizing all the | Page 55 1 is there between the cattle-feeding business that you |
| | business skills that I've learned, they have a direct | 2 had and the purported solar energy technology that |
| | connection on the profitability of the company. | 3 IAS holds out in this case? |
| 4 | Q. So the answer is no direct connection on | A. See, that's a see, your question, then, |
| 5 | the technology? | 5 is is is hard to explain from a a person |
| 6 | A. No, direct connection to the technology. | 6 like like I'm inventor, okay? |
| 7 | Q. What, if any, direct connection does the | 7 Q. Stop. Object to the responsiveness. |
| 8 | cattle-feeding business have with the purported solar | 8 A. You don't even know what I was going to |
| 9 | energy technology IAS holds out in this case? | 9 ask [sic] the question yet. You can object after I |
| 10 | A. Well, it's just the same as the technology | 10 answer. |
| 11 | that you learn in in learning how to make proper | 11 Q. I object to the responsiveness of your |
| 12 | choices at the proper times in ordered to maximize | 12 answer. |
| | profits. And I have | 13 What, if anything, did your cattle-feeding |
| 14 | Q. Mr. Johnson, stop. | 14 business have to do with solar energy technology? |
| 15 | A unique skill in doing that. | 15 A. I draw on all of my experiences and all |
| 16 | Q. I object to the response. Stop. | 16 the knowledge |
| 17 | A. Sorry. | 17 Q. Stop. No. Mr. Johnson |
| 18 | Q. I object to the responsiveness of the | 18 A that I have to develop new |
| 19 | answer. | 19 technologies. |
| 20 | A. Okay. | 20 Q. Stop. |
| 21 | Q. Please read back my question. | A. So from that standpoint it does create a |
| 22 | Mr. Johnson, listen carefully | 22 link to all of the information that I acquired in any |
| 23 | A. Okay. | 23 of my life experiences in order to develop new |
| 24 | Q and then answer what I actually ask. | 24 technologies. Inventions are not are not isolated |
| 25 | A. Okay. | 25 things. They utilize the whole creative process. My |
| | Page 54 | D D |
| | Fage 34 | Page 56 |
| 1 | (Record was read as follows: "What, if | 1 whole creative process of learning how to work the |
| 2 | (Record was read as follows: "What, if any, direct connection does the cattle-feeding | whole creative process of learning how to work the cattle feed are the same creative process that I used |
| 2 3 | (Record was read as follows: "What, if any, direct connection does the cattle-feeding business have with the purported solar energy | whole creative process of learning how to work the cattle feed are the same creative process that I used in developing the new technologies, including solar |
| 2 3 4 | (Record was read as follows: "What, if any, direct connection does the cattle-feeding business have with the purported solar energy technology IAS holds out in this case?") | whole creative process of learning how to work the cattle feed are the same creative process that I used in developing the new technologies, including solar energy technologies. |
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| 1 | Page 57 A. I don't know. Mostly management, I guess. | 1 | Page 59 my cattle-feeding business. I actually made money. |
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| 1 | | | |
| | They I if you want a long you want a long answer or the short answer? You tell me. | 2 | Q. Mr. Johnson, in your qualifications you |
| | | | say you have real estate holdings, one of which was a |
| 4 | Q. Did you manage people? | | supermarket of approximately 285,000 square feet in |
| 5 | A. I did. | | Salem, Utah. |
| 6 | Q. Did you manage product? | 6 | Correct? |
| 7 | A. I did. | 7 | |
| 8 | Q. Did you do anything else at Ream's grocery | 8 | Q. What, if anything, do your real estate |
| | store? | 9 | holdings have to do with the purported solar energy |
| 10 | A. Yes. | | technology that AIS holds out in this case? |
| 11 | Q. What else? | 11 | A. Other than just the experiences of using |
| 12 | A. You want the long answer, I can see that. | | cross to cross boundaries in in being an |
| 13 | Okay. We are going to be here all day. That's fine. | 13 | inventor, there isn't any. |
| 14 | It doesn't have anything to do with it had nothing | 14 | Q. So there is no direct connection? |
| 15 | to do with the solar energy project. | 15 | A. No, there is no direct correction, |
| 16 | It has to do with the it has to do I | 16 | probably. |
| 17 | used that that that area to develop my my | 17 | Q. Please remember to speak up, sir. |
| 18 | self-service checkout lanes. I also owned a video | 18 | A. I'm sorry. I get lazy. I'm sorry. |
| 19 | store, and I owned some other other stuff that I | 19 | Q. Mr. Johnson, you identify that the |
| 20 | owned at the same time. So I just didn't put that | 20 | supermarket was called U-Check, correct? |
| 21 | down because I didn't think it was relevant. | 21 | A. Correct. |
| 22 | Q. Okay. And, Mr. Johnson, you just said | 22 | Q. And you used the self-check system that we |
| 23 | that your employment at Ream's grocery store does not | 23 | talked about a few minutes ago? |
| | have anything to do with the solar energy technology | 24 | A. Correct. |
| | in this case. | 25 | Q. Mr. Johnson, in your qualifications you |
| | Page 58 | | Page 60 |
| | | | |
| 1 | - | 1 | 5 |
| 1 | A. Other than just giving me the experience | | say that you graduated from Utah Technical College's |
| 2 | A. Other than just giving me the experience to draw on from an inventing point of view. | 2 | say that you graduated from Utah Technical College's electronics technology program in 1964, correct? |
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| 1 | Page 61 Q because you will not mark on this | 1 | Page 63 A. I don't know. I think I wrote it. There |
|---|---|--|--|
| 2 | · · · · · · · · · · · · · · · · · · · | - | was a bit I think it was written part of it had |
| 3 | A. Oh, sorry. Okay. Yes. | | been written since 1987, and from various various |
| 4 | Q. Mr. Johnson, who gave you this | | translations or various people rewriting it, I |
| _ | qualifications for your review? | | think that there's there's introduced a mistake |
| | | | |
| | A. Well, I wrote them and then and then | | in in the original document that was put out in |
| | these I didn't write these, but I think Denver or | | '87. |
| | one of his attorneys one of the attorneys in his | 8 | Q. Object to the responsiveness of the |
| | office gave me that stuff to review. I never but | 9 | |
| | I never read this part of it. I only read I only | 10 | A. Okay. |
| | read this part. | 11 | Q. Mr. Johnson, I know you don't know who |
| 12 | Q. You're gesturing to Plaintiff's | 12 | wrote this qualifications page. I got it. |
| 13 | Exhibit 643 | 13 | A. Okay. |
| 14 | A. Yeah, I only went over this part. I | 14 | Q. I want to know who gave this to you. |
| 15 | really didn't I didn't pay any attention to this | 15 | A. This particular document was given to me |
| 16 | part. I didn't I've never even looked at it. | 16 | by Denver or Denver's office. |
| 17 | Q. Okay. Stop for a second, please. | 17 | Q. And are you talking about the entirety of |
| 18 | | 18 | Plaintiff's Exhibit 643? |
| 19 | • | 19 | A. That's his, correct. |
| 20 | | 20 | Q. Who at Mr. Snuffer's office, do you know? |
| | and you were holding the chunk of pages that's | 21 | A. It was either Denver or Dan or Steven |
| | numbered page 1 through 26, correct? | | Paul. |
| 23 | | 23 | Q. So Denver |
| 23 | Q. And you said that you reviewed pages 1 | 23 | A. I think it was Steven. Was it Steven? |
| | through 26? | | Yeah, I think it was Steven Paul I think is the |
| 25 | • | 25 | |
| 1 | Page 62 A. That's correct. | 1 | Page 64 one who gave it to me. |
| 2 | Q. But then pointing to the page that starts | 2 | Q. So you think Steven Paul gave you |
| 3 | with "qualifications" | | Plaintiff's Exhibit 643? |
| | | 3 | |
| 1 4 | | 3 | |
| 4 | A. Right. | 4 | A. Yeah, at a meeting there they gave me this |
| 5 | A. Right.Q you said you did not read this page | 4 5 | A. Yeah, at a meeting there they gave me this document, I believe. |
| 5 6 | A. Right. Q you said you did not read this page before submitting your report. Is that right? | 4 5 6 | A. Yeah, at a meeting there they gave me this document, I believe.Q. When was that meeting? |
| 5 6 7 | A. Right. Q you said you did not read this page before submitting your report. Is that right? A. That's correct. I assumed they got that | 4 5 6 7 | A. Yeah, at a meeting there they gave me this document, I believe.Q. When was that meeting?A. Last week. I can't remember the day. |
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| | Page 65 | Page 67 |
|---|--|---|
| 1 A. Let's see. Three days after that I | - | |
| 2 this. | 2 | Q. (BY MS. HEALY GALLAGHER) Mr. Johnson, ir |
| 3 Q. So you're pointing to Plaintiff's | 3 | your communications with Mr. Snuffer's office did |
| 4 Exhibit 644? | | they identify any facts or data that you considered |
| 5 A. Right. He gave that to us on I dor | | in forming your opinions? |
| 6 know what date, but about three days later I | | MR. SNUFFER: Object to the extent it |
| 7 draft all done. | | calls for attorney-client communication. |
| 8 Q. I just want to make sure I understan | | If you can answer without talking about |
| 9 it's clear for the record. So, Mr. Johnson, | 9 | attorney-client communication, go ahead. |
| 10 Mr. Snuffer somebody in Mr. Snuffer's offic | ce gave10 | MS. HEALY GALLAGHER: So, actually, |
| 11 you Plaintiff's Exhibit 644, correct? | 11 | Mr. Snuffer, that's an explicit carveout in Federal |
| 12 A. That's correct. | 12 | Rule of Civil Procedure 26 that facts or data |
| 13 Q. And three days later you provided | 13 | provided by an attorney to an expert is available for |
| 14 Mr. Snuffer's office your response? | | examination. So I'm going to ask Mr. Johnson to |
| 15 A. That's correct. | 15 | answer the question. |
| 16 Q. Okay. And your response was about | uta 16 | MR. SNUFFER: So you're not talking about |
| 17 hundred pages long? | 17 | conversations with the lawyer; you're mentioning |
| 18 A. Correct. | 18 | facts. You're mentioning data. |
| 19 Q. Then Mr. Snuffer's office edited you | ır 19 | If you can identify facts, if you can |
| 20 draft, right? | 20 | identify data, go ahead. |
| 21 A. That's correct, yes. | 21 | THE WITNESS: So so let me see if I can |
| 22 Q. And how long did their edits take? | 22 | understand where you're coming from, okay? Is that |
| 23 A. About a month. It could have taken | | okay? |
| 24 little bit longer. I don't know, but it was abou | ıt 24 | Q. (BY MS. HEALY GALLAGHER) Uh-huh. |
| 25 that long. | 25 | A. So if I'm acting as an expert witness, |
| | Page 66 | Page 68 |
| 1 Q. When you received their edits, did you | 1 | okay so I'm separate from all my other other |
| 2 just sign off or did you have questions or push ba | ack 2 | dealings with with the attorney in this respect, |
| 3 on their changes? What happened? | 3 | other than the the me, in this position, as an |
| | 0 | etter that the the me, in the peetteri, as an |
| 4 MR. SNUFFER: Object to the extent that | | expert witness, okay? |
| 4 MR. SNUFFER: Object to the extent that 5 calls for attorney-client communications. | | expert witness, okay? |
| • | tit 4 | expert witness, okay? Q. So, here let me |
| 5 calls for attorney-client communications. | t it 4 5 6 | expert witness, okay? Q. So, here let me |
| 5 calls for attorney-client communications.6 THE WITNESS: You're right. | t it 4 5 6 thout 7 | expert witness, okay? Q. So, here let me A. Well, let me just finish so I can so I can get this thing through. |
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| 5 calls for attorney-client communications. 6 THE WITNESS: You're right. 7 MR. SNUFFER: So if you can answer wit 8 discussing conversations you had with Steven Page | t it 4 5 thout 7 aul 8 9 hat 10 | expert witness, okay? Q. So, here let me A. Well, let me just finish so I can so I can get this thing through. So as long as as long as I'm doing that and I'm not and I'm not going to be opening the door saying that I'm operational as Mr. Johnson or |
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|--|---|
| 1 Q did anyone at Mr. Snuffer's office give | 1 Q. You did a good job of listing out |
| 2 you facts or data to consider? | 2 different classes, and that's all I want to know. |
| 3 A. No. | 3 A. Okay. I think I can't remember any |
| 4 Q. Did anyone at Mr. Snuffer's office give | 4 more. I didn't take any filler classes. I only |
| 5 you any assumptions to rely upon in drafting your | 5 took I only took the engineering classes. |
| 6 response to Dr. Mancini's report? | 6 Q. And, Mr. Johnson, we have talked about, in |
| 7 A. No. | 7 some of your background, the fact that electronics |
| 8 Q. Okay. Let's return, please, to Utah | 8 cross over between what you've done in the past and |
| 9 Technical College. | 9 the solar energy technology that IAS purports to have |
| 10 A. Okay. | 10 in this case. |
| 11 Q. Did you attend Utah Technical College? | 11 A. Correct. |
| 12 A. I did. | 12 Q. So other than that crossover with these |
| 13 Q. At what time? | 13 courses, is there any direct link between the |
| 14 A. 19 May of 1964. | 14 purported solar energy technology that IAS has in |
| 15 Q. For one month you attended Utah Technical | 15 this case and the classes that you took at Utah |
| 16 College? | 16 Technical College? |
| 17 A. No, it was no, it was longer than that, | 17 A. Well, the physics classes obviously were |
| 18 but that's when I started. | 18 in optics. We had a lot of optics classes obviously were |
| 19 Q. From May of 1964 to when? | 19 physics. And, yes, I guess that is a direct |
| 20 A. I think it was January of the first of | 20 correlation between the optics that we developed for |
| | |
| 21 '65, I think, right around that date. | 21 those lenses. And so in physics we studied Fres |
| 22 Q. Did you get any degree from Utah Technical | 22 Fres Fresnel lenses and op various optics. And |
| 23 College? | 23 so from that standpoint, yes. |
| A. No, I did not. | 24 Q. Okay. So the optics have specifically to |
| 25 Q. What is there such a thing as the | 25 do with the lenses, correct? |
| Page 70 | Page 72 |
| 1 electronics technology program at Utah Technical | 1 A. Correct, yes, ma'am. |
| 2 College? | 2 Q. Did the optics classes have anything else |
| 3 A. I don't know; that was a long time ago. | 3 to do with the purported solar energy technology at |
| 4 I'm not sure what they called it. It was either | 4 issue in this case? |
| 5 electrical engineering or electronic engineering or | 5 A. No. |
| 6 something like that. | 6 Q. All right. Other than the optics, was |
| 7 Q. What classes did you take at Utah | 7 there any other direct link from the classes that you |
| 8 Technical College? | 8 took at Utah Technical College to the purported solar |
| 9 A. I took all of the tube theories, all the | 9 energy technology in this case? |
| 10 state theory, the mat electrical engineering | 10 A. Well, not as far as the optics go, no. |
| 11 mathematics, the mathematics various mathematics | 11 Q. I said other than the optics, sir. |
| 12 classes, various physics classes, various | 12 A. Oh, yeah. Various various mathematical |
| 13 technologies in in communication electrical | 13 courses in including some physics and mechanical |
| 14 communicat RF communications. | 14 engineering courses that would have designed the |
| 15 They let the class were half over, okay | 15 relationships to mechanical structures and the |
| 16 when, I started and so I talked them into letting me | 16 mathematics that are required to build those. There |
| 17 come in and I could catch up | 17 wasn't any direct connection that I know of. |
| 18 Q. Mr. Johnson | 18 Q. What, if anything, did you learn at Utah |
| 19 A so | |
| 20 Q I'm going to stop you there. | |
| | |
| | 20 technology development? |
| 21 A. So the classes | A. The mathematics that designed the the |
| 21A.So the classes22Q.No, stop. | A. The mathematics that designed the the various optics, including and the various |
| A. So the classes Q. No, stop. A I'm trying to figure out | A. The mathematics that designed the the various optics, including and the various mechanical structures that that are employed at |
| A. So the classes Q. No, stop. A I'm trying to figure out Q. Sir, stop. Stop. | A. The mathematics that designed the the various optics, including and the various mechanical structures that that are employed at the site. |
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| | Page 73 | | Page 75 |
|--|---|--|--|
| 1 | Plaintiff's Exhibit 644? That's Dr. Mancini's | | took the idea of |
| | report. | 2 | Q. All right, stop. No, sir, I'm going to |
| 3 | A. Okay. | | stop you there. Stop. |
| 4 | Q. And take a look, please, at page 9. | 4 | A. Well, then you can't answer the question. |
| 5 | A. Okay. | | If you're not going to let me answer, you can't ask |
| 6 | Q. All right. There Dr. Mancini lays out the | | the question. |
| 7 | stages of engineering technology development. | 7 | Q. I object to the responsiveness. |
| 8 | Do you see that? | 8 | Mr. Johnson, you testified a moment ago |
| 9 | A. Uh-huh (affirmative). | | that you learned the stages of engineering technology |
| 10 | Q. Yes? | | development at either Utah Technical College or at |
| 11 | A. Right. | | BYU, right? That's what you said. |
| 12 | Q. Did you ever learn these stages or | 12 | A. I said I learned these items, not the |
| 1 | something like this at Utah Technical College? | | idea not the ability to you can't teach it. |
| 14 | A. Either that or in in BYU, some of the | | You don't there are no classes in teaching |
| | studies there, yes. | | inventing. I said |
| 16 | Q. Okay. So you learned that the first stage has to do with research? Yes? | 16 | Q. Stop, stop. |
| | | 17 | A these are the things that are taught. |
| 18 | A. Well, the first stages have to do with | 18 19 | Q. Stop, sir.A. And he left out one. |
| | developing your abilities in and he's left that | | |
| | out. The first stages have to developing yourself | 20 | Q. Stop. You were pointing specifically to |
| | in the various technology curriculums or knowledge of | | engineering tools on Dr. Mancini's chart. Is that |
| | the of the various technologies. And that's the first stages of developing a new technology. | | what you mean you learned at Utah Technical College and/or BYU? |
| 23 | | 23 | |
| 24 | Q. Well, sir, we're talking about specificA. He left it out. That's specific in the | | A. In reference to your question you want to read the question on that particular issue back |
| 25 | | 25 | · · |
| | | | |
| 1 | Page 74 | 1 | Page 76 |
| | that's specific. He's left that out. | | again? |
| 2 | that's specific. He's left that out. Q. Okay. What's the next step, in your mind? | 2 | again? Q. Stop, Mr. Johnson. |
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| | Page 77 1 that you're going to evaluate. This isn't this | 1 | Page 79 living, like most people do. I went there to learn |
|--|--|--|---|
| | 2 isn't designed to develop new products. This is | | something. The reason why I went to school was |
| | 3 designed to develop a product mainly that's already | 2 | because I wanted to learn. That's different than |
| | 4 been done. And that's all he's ever done. | 4 | going to school and getting a degree and just |
| | 5 And you can't teach what I do in | | memorizing everything there. |
| | 6 inventing you can't teach in a college. Otherwise | 6 | I wanted to learn what the concepts were, |
| | 7 you would have a whole bunch more people doing | - | how they were developed, how the mathematics were |
| | 8 exactly what I do, and they don't do it. | | actually defined, how the proofs were working, how to |
| | 9 Q. Mr. Johnson | 9 | develop a proof. |
| 1 | | 10 | I went back east and they I I had |
| | 1 That's the answer. These are simple things that you | 11 | |
| | 2 are given to in classes 101. This is nothing new. | | back to Washington, D.C. |
| | 3 This you are put in a lab you go to a lab, you | 13 | - |
| | 4 say here they give you an assignment. Here is | | about Brigham Young. That's it. |
| | 5 some pages to fill out. Okay, you are following | 15 | |
| | 6 these particular things. | 16 | - |
| 1 | | | learn. |
| | 8 now develop this into a product? That's silly. | 18 | |
| 1 | | 19 | |
| | 0 technology development, that's in early classes, | 20 | |
| | 1 right? | 20 | A. I took physics classes. I didn't take |
| 2 | - | 21 | |
| | 3 your first lab classes. | | stuff. I took |
| 2 | | 23 | |
| 2 | | | class stop, stop. Mr. Johnson, stop. I'm not |
| | 5 A. Right. There is nothing there new, | 25 | |
| | Page 78 | | Page 80 |
| | 1 nothing simple. Anybody who had gone to college has | | interested in what classes you didn't take. I'm |
| | 2 got to learn that. The same thing you do when you go | | interested in classes you did take. So you said |
| | 3 to go to the first thing you learn in your | | physics. What else? |
| | 4 attorney's classes is how to fill out the plaintiff's | 4 | , 3 |
| | 5 forms. It's just no different. It's not it's | | writing and developing my writing skills, my |
| | 6 not it's not rocket science. It's filling out a | | communication skills. I felt those were very |
| | 7 form. | | important in dealing with people and dealing with |
| | 8 Q. All right, Mr. Johnson. Let's talk about | | |
| | | | business relationships. |
| ! | 9 what it says here on your qualifications page, that | 9 | I took mathematics to make sure that I |
| 1 | 0 you studied physics and mathematics at Brigham Young | 9 , 10 | I took mathematics to make sure that I understood the mathematical principles upon which the |
| 10 10 | 0 you studied physics and mathematics at Brigham Young 1 correct? | 9 ,10 11 | I took mathematics to make sure that I understood the mathematical principles upon which the sciences were based. |
| 10 11 11 | you studied physics and mathematics at Brigham Young correct? A. Correct. | 9 ,10 11 12 | I took mathematics to make sure that I understood the mathematical principles upon which the sciences were based. I then took the various sciences which |
| 10 11 12 13 | you studied physics and mathematics at Brigham Young correct? A. Correct. Q. How long were you at Brigham Young? | 9 ,10 11 12 13 | I took mathematics to make sure that I understood the mathematical principles upon which the sciences were based. I then took the various sciences which applied those mathematics in those various forms, |
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| Page 81 1 thing at Utah Technical school; I did a lot of hours. | Page 83 1 Q. All right, Mr. Johnson. We will turn to |
|--|---|
| 2 So I did a lot of classes. But the classes were easy | 2 the purported solar energy technology that IAS has |
| 3 for me. I didn't have to worry about it. I didn't | 3 held out in just a moment, but I want to hear from |
| 4 have to study. I never studied in my whole life. | 4 you. For all the background and experience and |
| 5 Never had to. | 5 qualifications that we've talked about so far, has |
| | |
| | 6 there ever been a time that you have worked |
| 7 about with the electronics connection to the | 7 specifically with generating electricity from solar |
| 8 purported solar energy technology, what, if any, | 8 radiation? |
| 9 aspect of your courses at Brigham Young have a direct | 9 A. Other than my own company? |
| 10 impact on the purported solar energy technology that | 10 Q. Correct. |
| 11 IAS holds out in this case? | 11 A. No, I haven't. No. |
| 12 A. Well, mathematics, obviously, and some of | 12 Q. Okay. So your only experience with that |
| 13 the optics classes and physics. Some of the | 13 is through IAS? |
| 14 electronics classes and so all of the mechanical | 14 A. That is correct, yes. |
| 15 engineering classes. So all the class that we took | 15 Q. Other than your experience with IAS, have |
| 16 had some bearing, and we draw from all of those to | 16 you had any experience generating heat from solar |
| 17 develop a a new concept or a new invention. | 17 radiation? |
| 18 Q. And, Mr. Johnson, you did not receive a | 18 A. Not for not for a commercial |
| 19 degree from Brigham Young, correct? | 19 application, no. |
| 20 A. No. I didn't want one. Didn't care. | 20 Q. For any other application? |
| 21 Wasn't interested in it. I could get one today. I | A. Well, just for fun maybe. You know, we |
| 22 could probably go over there, and they would probably | 22 were probably exploring some other things when I was |
| 23 give me one. I don't know. | 23 young |
| 24 Q. What on earth is your basis for that, | 24 Q. Like what? |
| 25 Mr. Johnson? | 25 A just for fun, you know. |
| | |
| Page 82 | Page 84 |
| 1 A. I just give them \$50,000. Well, not that | 1 Well, I was on my own at 14 and so I I |
| 1 A. I just give them \$50,000. Well, not that 2 organization, another one, and they offered me a | Well, I was on my own at 14 and so I I was on the streets a lot, and there were times when I |
| A. I just give them \$50,000. Well, not that 2 organization, another one, and they offered me a 3 degree. So you can buy degrees if you want them. | Well, I was on my own at 14 and so I I was on the streets a lot, and there were times when I thought that I could use a solar thing to create some |
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| Page 85 | Page 87 |
| 1 environment that would would heat some objects 1 A. No, I didn't. | |
| 2 that would last through the through the evening a 2 Q. Sorry, let me finish the | • |
| 3 little bit, and stuff like that. To make my life a 3 Did you do any other so | |
| 4 little bit more comfortable, yes. 4 experimentation with solar radia | ation around the time |
| 5 Q. And you used that for your living space? 5 that you were 14? | lly It was |
| 6A.I used it mostly just placed it lay6A.Not really, no.Not really, no.7down sometimes and get a lead sometime in the7from 14 on is when I was doing | |
| 7 down sometimes and get a lead sometime in the7 from 14 on is when I was doing8 wintertime. It gets cold back then in this area. It8 (Discussion off the record) | • |
| 9 was cold so, yeah. 9 was cold so, yeah. 9 A. It was beyond 14. It was | |
| 10 Q. You mentioned amplifying the sun's heat to 10 was on my own from then on, s | |
| 11 extend a growing season. Were you growing things to 11 Q. Mr. Johnson, now I'd li | |
| 12 eat or for any other reason at this time? 12 your report a little bit more. So | - |
| 12Cat of for any other reason at this time?12your report a little bit more.13A.Yeah, I tried to experiment on things that13to Plaintiff's Exhibit 643. | we re turning back |
| 14 I could maybe utilize and extend, like I said, the 14 A. Okay. | |
| 15 growing season. 15 Q. The first sentence of the | is third paragraph |
| 16 Here it used to it used to freeze in 16 is fairly lengthy, so we're going | |
| 17the first part of September, and so you wouldn't get17parts. | |
| 18 any, you know, fresh vegetables past that particular 18 A. Okay. | |
| 19 time. And so we just I just looked at ways of19Q.Part of that sentence s | avs. "I have formed |
| 20 extending that and using some water as a as a 20 an opinion, based on practical t | • |
| 21 as a heat seek, and rocks at the bases of the water, 21 and research and development | |
| 22 and hopefully to extend the by the evaporation of 22 Do you see that? | |
| 23 the water into creating a more dense a dense air 23 A. That's correct. | |
| 24 atmosphere that holds the heat longer. 24 Q. All right. I'd like to ask | you about the |
| 25 I learned back then that we live in a 25 practical trials part of that. | |
| Page 86 | Page 88 |
| 1 very dry climate and so the cold penetrates deeper. 1 A. Okay. | |
| 2 So by adding water and rocks and things during the 2 Q. Oh, actually, first let's | s see. I'll |
| 3 day into a confined space, what you get is a warm 3 withdraw that. We'll take a step | |
| 4 warmer atmosphere that lasts a lot longer than it 4 A. Okay. | |
| 5 does if you don't have that exper have that same 5 Q. So this in this senten | ice here, this |
| 6 experience. I used I used all the knowledge that 6 first sentence of the third parage | raph of your |
| 7 I had capable of using that to you know, to 7 report | |
| 8 create a better living place. So we did. And 8 A. Okay. | |
| 9 extending the growing seasons and stuff, it helped 9 Q you're talking solely a | about the Fresnel |
| 10 several times, you know.10 lenses; is that right? | |
| 11 And in the springtime you could get an 11 A. In this statement it look | s like that I'm |
| 12 extra, you know, springtime dew. I used to eat 12 talking about the Fresnel lenses | |
| 13 dandelions for the Vitamin C components and 13 Q. Okay. So I'm confining | g my questions right |
| | Fresnel lenses in |
| 14 because they were the first plants to come out. And 14 now to questions to do with the | |
| 15 if you put a warm environment around them, you would 15 this sentence, okay? | |
| 15 if you put a warm environment around them, you would15 this sentence, okay?16 then gain a few months and increase your Vitamin C16A. Okay. | |
| 15 if you put a warm environment around them, you would15 this sentence, okay?16 then gain a few months and increase your Vitamin C16A. Okay.17 intake, so17Q. Can you tell me about | |
| 15 if you put a warm environment around them, you would 16 then gain a few months and increase your Vitamin C 17 intake, so 18 Q. So do you mean sort of like a greenhouse? 15 this sentence, okay? 16 A. Okay. 17 Q. Can you tell me about 18 that the Fresnel lenses have un | dergone? |
| 15 if you put a warm environment around them, you would 16 then gain a few months and increase your Vitamin C 17 intake, so 18 Q. So do you mean sort of like a greenhouse? 19 A. That, but it was more more than that. 15 this sentence, okay? 16 A. Okay. 17 Q. Can you tell me about 18 that the Fresnel lenses have un 19 A. Well, if you're going to a | dergone? start, it's |
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| | Page 89 | | Page 91 |
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| 1 | Q. Well, this sentence says "practical | 1 | Q. Okay. Well, let me clarify |
| 2 | trials." | 2 | A. So the opinion the opinion the |
| 3 | A. Okay. The practical trials that led me to | 3 | opinion is what the clarifying state is, is how |
| 4 | develop the Fresnel lens is what this is referring | 4 | why why did I come to that opinion. |
| 5 | to. | 5 | Q. No, that's that's actually not my |
| 6 | Q. So when were they? | 6 | question, so let's |
| 7 | A. From 2003 to 2005 or '06. | 7 | A. That's that's but that's the |
| 8 | Q. And how many practical trials did you have | 8 | sentence. |
| 9 | between '03 and '05? | 9 | Q. Let's start a new question. |
| 10 | A. Well, the I don't know how how to | 10 | A. Okay. |
| 11 | evaluate those because it was an ongoing, everyday | 11 | Q. Okay? So in this case we are talking |
| 12 | thing, but but the that's not that's not how | 12 | about Fresnel lenses that RaPower3 sells, okay? |
| 13 | the Fresnel lens evolved into what it is today. | 13 | A. Right. |
| 14 | The the first things that we started with was the | 14 | Q. Stop. Stop. Okay. Good. All right. So |
| 15 | idea and concept of developing an alternative energy | 15 | I would like to know from you, sir, what practical |
| 16 | than coal, natural gas or any | 16 | trials have those Fresnel lenses been subject to. |
| 17 | Q. Mr. Johnson | 17 | A. Thousands of hours of testing. I mean, |
| 18 | A and fuels. | 18 | they have it's not something but but, there |
| 19 | Q I want to stop you there. | 19 | again |
| 20 | This sentence says "practical trials." | 20 | Q. Stop, stop. You said "thousands of hours |
| 21 | A. Right. That's what I'm trying that's | 21 | of testing" |
| 22 | what I'm trying to tell you, what the practical | 22 | A. Okay. |
| 23 | trials existed of and what they are the purpose of | 23 | Q correct? |
| 24 | those trials were. | 24 | A. Correct. At least. |
| 25 | Q. Okay. What specifically were you testing | 25 | Q. All right. What kind of testing? |
| | Page 90 | | Page 92 |
| 1 | for in the practical trials? | 1 | A. Well, the final product we evaluated |
| 2 | A. We were looking for an alternative to | 2 | that's if you're talking about the final what |
| 3 | to other energy other energy other than the | 3 | product are you talking about the development |
| 4 | 3, | 4 | Q. Sir |
| 5 | Q. What did you do in these practical trials? | 5 | A the concept or the final product? |
| 6 | A. Well, the first thing that we did is we | 6 | Q. Stop. |
| 7 | went out and evaluated what was already in existence | 7 | A. Well, you have to identify which one |
| 8 | for an alternative. So we went to places like | 8 | you're talking about. |
| 9 | that are out by Barstow. They are not in Barstow but | 9 | Q. I already have. |
| 10 | they | 10 | A. You didn't. |
| 11 | Q. Mr. Johnson, I'm actually going to stop | 11 | Q. It's the Fresnel lenses that are sold by |
| 12 | | | |
| 12 | you. So I want to make sure I understand. | 1 | RaPower3. And I want to know |
| 12 | you. So I want to make sure I understand. | 12 13 | RaPower3. And I want to know A. But what |
| 13 | you. So I want to make sure I understand. | 1 | RaPower3. And I want to know |
| 13 14 | you. So I want to make sure I understand. So when this sentence says the Fresnel | 13 14 15 | RaPower3. And I want to knowA. But whatQ. Stop.A part of the development are you talking |
| 13 14 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. | 13 14 15 | RaPower3. And I want to know A. But what Q. Stop. |
| 13 14 15 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. A. Right. | 13 14 15 | RaPower3. And I want to know A. But what Q. Stop. A part of the development are you talking about; the initial part, the middle part, the end |
| 13 14 15 16 17 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. A. Right. | 13 14 15 16 17 | RaPower3. And I want to know A. But what Q. Stop. A part of the development are you talking about; the initial part, the middle part, the end |
| 13 14 15 16 17 18 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. A. Right. Q. Okay. So I'm talking about those. I'm | 13 14 15 16 17 | RaPower3. And I want to know A. But what Q. Stop. A part of the development are you talking about; the initial part, the middle part, the end part? What are you what are you what are you trying to get at? I'm not I mean, I'm trying to |
| 13 14 15 16 17 18 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. A. Right. Q. Okay. So I'm talking about those. I'm not talking about any Fresnel lenses that are not sold by RaPower3. So for the Fresnel | 13 14 15 16 17 18 | RaPower3. And I want to know A. But what Q. Stop. A part of the development are you talking about; the initial part, the middle part, the end part? What are you what are you what are you trying to get at? I'm not I mean, I'm trying to |
| 13 14 15 16 17 18 19 20 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. A. Right. Q. Okay. So I'm talking about those. I'm not talking about any Fresnel lenses that are not sold by RaPower3. So for the Fresnel | 13 14 15 16 17 18 19 | RaPower3. And I want to know A. But what Q. Stop. A part of the development are you talking about; the initial part, the middle part, the end part? What are you what are you what are you trying to get at? I'm not I mean, I'm trying to help you. I'm not I'm not trying to be |
| 13 14 15 16 17 18 19 20 21 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. A. Right. Q. Okay. So I'm talking about those. I'm not talking about any Fresnel lenses that are not sold by RaPower3. So for the Fresnel A. Well, no, you're talking you're talking | 13 14 15 16 17 18 19 20 21 | RaPower3. And I want to know A. But what Q. Stop. A part of the development are you talking about; the initial part, the middle part, the end part? What are you what are you what are you trying to get at? I'm not I mean, I'm trying to help you. I'm not I'm not trying to be belligerent; I'm not trying to be evasive. I'm trying to make sure that I understand exactly what you're looking for. |
| 13 14 15 16 17 18 19 20 21 22 | you. So I want to make sure I understand. So when this sentence says the Fresnel lens, okay it says the Fresnel lens that are sold by RaPower3. A. Right. Q. Okay. So I'm talking about those. I'm not talking about any Fresnel lenses that are not sold by RaPower3. So for the Fresnel A. Well, no, you're talking you're talking about how I formed my opinion based on the practical | 13 14 15 16 17 18 19 20 21 | RaPower3. And I want to know A. But what Q. Stop. A part of the development are you talking about; the initial part, the middle part, the end part? What are you what are you what are you trying to get at? I'm not I mean, I'm trying to help you. I'm not I'm not trying to be belligerent; I'm not trying to be evasive. I'm trying to make sure that I understand exactly what |
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| Page 93 | Page 95 |
|--|--|
| 1 any testing that any Fresnel lens has been subject | 1 A. Yes. |
| 2 to? | 2 Q. What did you do? |
| 3 A. I've got probably thousands of books. The | 3 A. The first thing we did is we analyzed what |
| 4 problem is is nobody can read them but me and so | 4 was going to be necessary to create a Fresnel |
| 5 Q. Mr. Johnson | 5 lenses that weren't that were going to compete and |
| 6 A but they're fine; I I can read them. | 6 be cost effective in developing energy. It wasn't |
| 7 Q. Where are those books? | 7 we didn't go out there to make a project so that we |
| 8 A. You have them. You have all the data. | 8 could steal government money from the government. |
| 9 You just probably won't know how to read them. And I | 9 We actually were out there developing a new project |
| 10 probably couldn't go back and read them after I | 10 to make a profitable an alternative energy source |
| 11 after I did them. They weren't designed other | 11 that we could live on. This is before we had any |
| 12 they weren't designed to for any other engineering | 12 any any any kind of tax credits at all. |
| 13 firm or any other company. They were designed | 13 So what we did is we analyzed what was |
| 14 specifically for my research and development. I | 14 going to be required to make that. And we found out |
| 15 don't have any way of keeping things secret. I don't | 15 that the only way the traditional way of making |
| 16 have a huge staff that has high security on all of | 16 large lenses was using granite granite tops and |
| 17 this data. I do not write any of my patents down and | 17 casting these lenses. They were very expensive. |
| 18 keep track of them in a way that anybody else could | 18 They couldn't ever compete in in the marketplace |
| 19 read them or do any research from them. | 19 for producing electrical solar energy or heat or any |
| 20 And I give those to my patent attorney and | 20 other kind of energy. |
| 21 he holds them in his patent office that relate to the | 21 So what we did is took that data and we |
| 22 patents. But I personally do not keep any data on | 22 decided to go to a Fresnel lens, because we studied |
| 23 any of the research that I do for the purpose of, I | 23 mirrors, and mirrors were the same problem. Mirrors |
| 24 do not people have stolen my patents. The federal | 24 cannot be mass produced for a solar energy project. |
| 25 government has stolen one of my patents. The AFIM | 25 And I know you don't understand that, but that's a |
| | |
| Page 94 | Page 96 |
| 1 unit was stolen by the federal government. And they | 1 fact. And I could go for hours and tell you why, and |
| unit was stolen by the federal government. And they took that and gave that to Boeing to develop around | fact. And I could go for hours and tell you why, and I'm not going to. |
| unit was stolen by the federal government. And they took that and gave that to Boeing to develop around my system. After I showed it to them, after they | fact. And I could go for hours and tell you why, and I'm not going to. So we started right there. And then we |
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| 1 | Page 97 normally you wouldn't do that, no. And most most | 1 | Page 99 A. Okay. |
|-----|---|----|---|
| | companies don't reveal what they are doing outside of | 2 | Q. "This heat is then transferred into the |
| | the company. Mancini has never worked for a company. | 3 | power generation system to heat the working fluid, |
| | That's his problem. | | normally water, that will be used to turn the |
| 5 | Q. Mr. Johnson, did you ever publish any of | | turbine." |
| 6 | | 6 | A. Okay. |
| 7 | A. Of course not. You don't want anybody to | 7 | Q. "The solar process heat raises the |
| 8 | be able to duplicate your stuff and then have they | 8 | temperature of the working fluid and drives the |
| 9 | have more money, and then they go around and steal it | 9 | turbine, providing for the generation of |
| 10 | from you. No, you don't do that. It's silly. | 10 | electricity." |
| 11 | Q. Mr. Johnson, I'd actually like you to take | 11 | A. Okay. |
| 12 | a look back at your Qualifications page in your | 12 | Q. "These two components (turbine and solar |
| 13 | report here. | 13 | lens arrays) have been working for some time, and we |
| 14 | A. Okay. | 14 | have been using them for research and development to |
| 15 | Q. Under the heading Publications, about | 15 | make sure all the systems function adequately." |
| 16 | halfway down the page, it says, "Mr. Johnson has not | 16 | A. Okay. |
| 17 | been published in the previous ten years." | 17 | Q. Did I read those sentences correctly? |
| 18 | Did I read that correctly? | 18 | A. Okay. |
| 19 | A. That's correct. | 19 | Q. All right, Mr. Johnson. For the first |
| 20 | Q. Have any of your writings ever been | 20 | sentence |
| 21 | published? | 21 | A. Okay. |
| 22 | A. No, I wouldn't do it. I wouldn't I | 22 | Q what are the facts that you are relying |
| 23 | don't want people stealing my stuff. It would be | 23 | on to write that first sentence? |
| 24 | silly. My purpose of writing this stuff or | 24 | A. "The solar process heat generated in solar |
| 25 | developing this stuff wasn't to make myself look good | 25 | arrays using" |
| | Page 98 | | Page 100 |
| 1 | in the academic world. It has no value to me, how I | 1 | Q. Please don't reread it. |
| 2 | look in the ac the academic world. There is no | 2 | A. Yeah. I just want to make sure that |
| 3 | there is no profit to it. | 3 | okay, then I won't reread it. |
| 4 | Q. All right. When we take a look at the | 4 | Okay. The solar lenses produce heat in |
| 5 | heading that says Other Expert Testimony, it says, | 5 | the form of in the British thermal units, is BTUs. |
| 6 | | | We could have used other sources names for |
| 7 | trial or by deposition in the previous four years." | 7 | energy |
| 8 | Is that right? | 8 | Q. Sir, stop, stop. I asked you for the |
| 9 | A. That is correct. | | facts that you have to support that first sentence. |
| 10 | Q. Have you ever given expert testimony? | 10 | A. The fact the fact is is the British |
| 11 | A. No, this is a new experience for me. | | thermal units were developed by British people to |
| 12 | Q. All right. Mr. Johnson, I'm going to turn | | measure heat sources. And they used the British |
| | your attention to page 8 of 26 of your report. | | thermal unit for so much energy developed by the sun. |
| 14 | • | 14 | The metric system uses a different form of |
| 15 | | | energy measurement, which is called |
| 16 | | 16 | Q. Stop, sir. |
| 17 | | 17 | A joules or kilowatts. |
| | going to read. | 18 | Q. I'm going to stop you there. |
| 19 | A. Okay. | 19 | Other than information about what a BTU |
| 20 | | | is, what facts do you have to support that sentence? |
| | array using the Fresnel lenses can be captured and | 21 | A. The fact is that the solar energy the |
| | the resulting heat energy, in the form of BTUs | | solar lens produces heat. You saw that. |
| | generated by the solar lenses, can be regulated by | 23 | Q. All right. Well, then what I'm going to |
| | the rate at which the heat source fluid is pumped | | ask you, then, sir, is what, if any, data have you |
| 120 | through the solar receiver system." | 25 | collected to support this first sentence. |

| Page 10 | Page 103 |
|--|--|
| 1 A. We use a I use a a light | 1 About how many times would you say you |
| 2 measuring meter that measures the light | 2 engaged in this testing? |
| 3 concentrations. And from that we are develop the | 3 A. Thousands of hours. |
| 4 BTU content that comes from the light that's | 4 Q. Who else was present as you did this |
| 5 concentrated. | 5 testing? |
| 6 Q. Is any of this data written down? | 6 A. My employees at times. |
| 7 A. Yeah, it's it's written down for me, | 7 Q. Anyone else? |
| 8 but not for anybody else. | 8 A. No. Well, there was maybe friends, but I |
| 9 Q. Where is this data written down? | 9 didn't ever keep track of them. |
| 10 A. I don't know. It's probably in in one | 10 Q. What, if any, error rate did you account |
| 11 of my patents in in Dave's office. I don't keep | 11 for in this testing? |
| 12 anything like that where anybody can get at it. | 12 A. What do you mean by "error rate"? |
| 13 Again, I don't I don't hold that stuff around so | 13 Q. Do you know what error rate means? |
| 14 people can look at it. It's not against the law to | 14 A. I know what error rate means. What are |
| 15 do that, by the way. | 15 you talking about? |
| 16 Q. How did you perform the testing to | 16 Q. Tell me what error rate means. |
| 17 establish this data? | 17 A. It depends on what you're talking about. |
| 18 A. I used a light meter. And we also then | 18 If you are talking about it from an attorney's |
| 19 used we also then used a measurement device | 19 perspective or a technology |
| 20 Q. We or I? | 20 Q. Mr. Johnson |
| A. I used a measurement device that would | 21 A perspective. |
| 22 we could measure how fast the heat would would | 22 Q I want to know what you consider an |
| 23 heat, say, a fluid, to determine the rate on which | 23 error rate. |
| 24 energy is transferred from the solar energy | A. The error rate was in order to develop |
| 25 concentrated into a fluid. And determine that rate | 25 the lenses we had to determine what was already out |
| | |
| Page 10 | |
| 1 would determine how many BTUs per second or a minute | 1 there, what kind of errors we were going to |
| would determine how many BTUs per second or a minute or an hour that the BTUs would be transferred from | there, what kind of errors we were going to experience if we use mirrors. |
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|--|---|--|--|
| 1 | Page 105 | 1 | Page 107 |
| 2 | 371 7 | 2 | 5 |
| 3 | | | Q. Okay. So so, Mr. Johnson, what data do |
| | Q. Mr. Johnson, you don't know where the data | | you have that supports the statement that heat from |
| | is, correct? | | the Fresnel lenses is, in fact, transferred to a |
| 5 | A. Well, we had an evaluation now | | working fluid? |
| 6 | | 6 | A. You are kidding me, right? I just told |
| 7 | Q. Stop. | | you what I did. And I wrote it down and then I |
| 8 | A an external evaluation | | probably destroyed it. But I I just don't have |
| 9 | Q. Stop, Mr. Johnson. | | I don't keep that kind of data. Anybody can |
| 10 | Your data from the tests you ran to | | reproduce that data. I can re I can re I can |
| 11 | support this first sentence on page 8 of 26, where is | | produce that data any time I choose. And the heat |
| | that data? | | rate there is there. |
| 13 | A. It's probably in Dave Dave Dave's | 13 | And then we have an independent study on |
| | office. | 14 | the Fresnel lenses in our white papers. |
| 15 | Q. Dave Nelson? | 15 | (Discussion off the record.) |
| 16 | A. Dave Nelson's office. | 16 | Q. How many times, Mr. Johnson, did you test, |
| 17 | | | under real-world conditions, whether heat was being |
| 18 | A. Because I don't have it. I gave it to him | 18 | transferred from the Fresnel lens array into a |
| 19 | to write the patent, so that's where it would be at. | 19 | working fluid? |
| 20 | I don't keep stuff like that. I never have. | 20 | A. Thousands of times. |
| 21 | Q. All right, Mr. Johnson. Turning to the | 21 | Q. Thousands of times, did you say? |
| 22 | next sentence, which is the heat. Let me start that | 22 | A. We started we started with an original |
| 23 | again. | 23 | Fresnel lens built by someone else. Okay. And we |
| 24 | So the next sentence says, "This heat is | 24 | determined |
| 25 | then transferred into the power generation system to | 25 | Q. Stop. |
| | Page 106 | | Page 108 |
| 1 | heat the working fluid, normally water, that will be | 1 | A the same thing. And then we tested our |
| 2 | used to turn the turbine." | 2 | system and compared the two. |
| 3 | Did I read that correctly? | 3 | Q. Mr. Johnson |
| 4 | A. Correct. | 4 | A. Okay. |
| 5 | Q. All right. So this heat refers back to | 5 | Q you said you had tested that transfer |
| 6 | the heat that is generated by the Fresnel lenses, | 6 | of heat from the Fresnel lens array to the working |
| | correct? | | fluid under real-world conditions thousands of times. |
| 8 | A. Correct. | 8 | A. Thousands of times. At least that, yes. |
| 9 | Q. Okay. Mr. Johnson, what, if any, tests | 9 | Q. And what I would like to know is, did you |
| | have you performed to support the idea that heat from | 1 | keep any data from those thousands of times? |
| 11 | the Fresnel lenses is actually transferred to a | 11 | A. No. I had an outside I had an outside |
| | working fluid? | 12 | source come in and evaluate that, and that's in our |
| 13 | A. We use several several measuring | 1 | white papers. |
| | devices. One is we have the flow rate of the fluid. | 14 | Q. Object to responsiveness of the answer. |
| | | 1 | Would you please read back the question? |
| 10 | we have a temperature measuring device that measures | | |
| | We have a temperature measuring device that measures the temperature of the fluid. We have the | 16 | A. Okay. I didn't. No. I didn't. I gave |
| 16 | the temperature of the fluid. We have the | 16 17 | A. Okay. I didn't. No, I didn't. I gave them to Dave. Dave probably has them. I don't know |
| 16 17 | | 17 | them to Dave. Dave probably has them. I don't know |
| 16 17 18 | the temperature of the fluid. We have the specifications of the fluid, of what the specific heat of that fluid is. | 17 18 | them to Dave. Dave probably has them. I don't know where they are. I don't keep that kind of I don't |
| 16 17 18 19 | the temperature of the fluid. We have the specifications of the fluid, of what the specific heat of that fluid is. And by determining the flow rate, the heat | 17 18 19 | them to Dave. Dave probably has them. I don't know where they are. I don't keep that kind of I don't need to. I'm not looking for an academic pat on the |
| 16 17 18 19 20 | the temperature of the fluid. We have the specifications of the fluid, of what the specific heat of that fluid is. And by determining the flow rate, the heat temperature and the specific heat we can determine | 17 18 19 20 | them to Dave. Dave probably has them. I don't know where they are. I don't keep that kind of I don't need to. I'm not looking for an academic pat on the shoulder or pat on the head, so I don't keep them. I |
| 16 17 18 19 20 21 | the temperature of the fluid. We have the specifications of the fluid, of what the specific heat of that fluid is. And by determining the flow rate, the heat temperature and the specific heat we can determine how many BTUs that fluid handles. We then can | 17 18 19 20 21 | them to Dave. Dave probably has them. I don't know where they are. I don't keep that kind of I don't need to. I'm not looking for an academic pat on the shoulder or pat on the head, so I don't keep them. I don't like to do that because I like to keep things |
| 16 17 18 19 20 21 22 | the temperature of the fluid. We have the specifications of the fluid, of what the specific heat of that fluid is. And by determining the flow rate, the heat temperature and the specific heat we can determine how many BTUs that fluid handles. We then can transfer that that heat from that fluid to | 17 18 19 20 21 22 | them to Dave. Dave probably has them. I don't know where they are. I don't keep that kind of I don't need to. I'm not looking for an academic pat on the shoulder or pat on the head, so I don't keep them. I don't like to do that because I like to keep things secret because people steal new technologies. |
| 16 17 18 19 20 21 22 23 | the temperature of the fluid. We have the specifications of the fluid, of what the specific heat of that fluid is. And by determining the flow rate, the heat temperature and the specific heat we can determine how many BTUs that fluid handles. We then can transfer that that heat from that fluid to another fluid using heat exchangers. | 17 18 19 20 21 22 23 | them to Dave. Dave probably has them. I don't know where they are. I don't keep that kind of I don't need to. I'm not looking for an academic pat on the shoulder or pat on the head, so I don't keep them. I don't like to do that because I like to keep things secret because people steal new technologies. Q. Please read back my question. |
| 16 17 18 19 20 21 22 23 24 | the temperature of the fluid. We have the specifications of the fluid, of what the specific heat of that fluid is. And by determining the flow rate, the heat temperature and the specific heat we can determine how many BTUs that fluid handles. We then can transfer that that heat from that fluid to | 17 18 19 20 21 22 | them to Dave. Dave probably has them. I don't know where they are. I don't keep that kind of I don't need to. I'm not looking for an academic pat on the shoulder or pat on the head, so I don't keep them. I don't like to do that because I like to keep things secret because people steal new technologies. |

| | Page 109 | | Page 111 |
|----------------------------------|---|----------------------------|--|
| 1 | you answer my questions. | 1 | A. Thousands. |
| 2 | A. I don't know how to answer them. I'm not | 2 | Q. Thousands. |
| 3 | as smart as you are. | 3 | A. I did one just last week. |
| 4 | (Record was read as follows: "And what I | 4 | Q. Have you kept any data from these |
| 5 | would like to know is, did you keep any data | 5 | thousands of times? |
| 6 | from those thousands of times?") | 6 | A. I take some pictures. I don't think I've |
| 7 | A. No. | 7 | kept any data. Is data pictures? Pictures are data, |
| 8 | Q. Mr. Johnson, you mentioned an independent | 8 | aren't they? I don't know. I guess they are. |
| 9 | review, someone having come in. Did that independent | 9 | Q. Have you kept any other records of such |
| 10 | reviewer evaluate the transfer of heat from a Fresnel | 10 | tests? |
| 11 | lens array into a working fluid? | 11 | A. No, I haven't. Just pictures, I think. |
| 12 | A. Yeah, I think they did. They wrote a | 12 | Q. Have these tests been performed in the |
| 13 | report on it. And I wasn't there when they did it. | 13 | laboratory, under real-world conditions? How? |
| 14 | So I assume that they wrote the report based upon | 14 | A. Both. We've also made it simulated by |
| 15 | some factual information that they that they | 15 | computer program, mathematics, to see just how how |
| 16 | developed. | 16 | close we came to the the actual mathematics |
| 17 | Q. Who performed | | • |
| 18 | A. The reason why I wasn't there is because I | 18 | Q. Do you have any record of the mathematics |
| 19 | didn't want to influence anything in their in | 19 | modeling? |
| 20 | their report. | 20 | A. No, I don't. |
| 21 | Q. Who performed this independent review? | 21 | Q. Please face the court reporter so she can |
| 22 | A. I don't know. It's in there. Their names | | be sure to hear you. |
| | are in the white paper. I don't know who they are. | 23 | A. No, I don't. |
| 24 | Q. Mr. Johnson, there are no names in the | 24 | |
| 25 | white paper. | 25 | A. In IAS's laboratories. |
| | Page 110 | | Page 112 |
| 1 | A. Well, they are somewhere. I don't I | 1 | Q. Any others? |
| | assume you have them. I don't know. | 2 | - |
| 3 | | 3 | 5 5 5 |
| 4 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | tests? |
| 5 | | 5 | |
| 6 | | 6 | |
| | whose name you don't remember, wrote a report? | | talking about in Delta, Utah? |
| 8 | | 8 | |
| 9 | | 9 | , |
| | know I can't remember what it's called, but I know | 10 | , , , |
| 11 | | 11 | A. Not that I can remember, but I'm sure |
| | before. | | there is. |
| 13 | | 13 | , , |
| 14 | | 14 | , i |
| | exactly. | 15 | 8, 8 |
| 16 | 5 | 16 | |
| 117 | next sentence which says, "The solar process heat | 17 | |
| 10 | | ΙŎ | and well, not on the solar lenses. That wasn't |
| | raises the temperature of the working fluid and | 10 | |
| 19 | drives the turbine, providing for the generation of | 19 | |
| 19 20 | drives the turbine, providing for the generation of electricity." | 20 | Q. The next sentence starts I'll withdraw |
| 19 20 21 | drives the turbine, providing for the generation of electricity." Did I read that correctly? | 20 21 | Q. The next sentence starts I'll withdraw that. |
| 19 20 21 22 | drives the turbine, providing for the generation of electricity." Did I read that correctly? A. That's correct, yes. | 20 21 22 | Q. The next sentence starts I'll withdraw that. Have any has any third party reviewed |
| 19 20 21 22 23 | drives the turbine, providing for the generation of electricity." Did I read that correctly? A. That's correct, yes. Q. Mr. Johnson, how many times have you | 20 21 22 23 | Q. The next sentence starts I'll withdraw that. Have any has any third party reviewed the testing that you did to show that the solar |
| 19 20 21 22 23 24 | drives the turbine, providing for the generation of electricity." Did I read that correctly? A. That's correct, yes. | 20 21 22 23 24 | Q. The next sentence starts I'll withdraw that. Have any has any third party reviewed |

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| Page 113 Page 113 1 gave them to, I think, Denver's office. I - and I 2 testing. 3 Q. And who is that? 4 A. Just the people that did the report. We 5 have - we've had several expert witnesses that we've 6 hirds to come and evaluate the system. 7 Q. Who are they? 7 A. Hon't know. You would have to talk to 9 bave about that. I don't know ther mames. Dave is 10 the -Dave is usually the one that arranges all of 11 more many fashion? 15 A. I don't know. Three, five. Three to 16 five. 17 Q. Oby with any fashion? 16 A. Don't know. Three, five. Three to 16 five. 17 A. Don't know. Three, five. Three to 18 in this case? 19 A. Dich't five. 20 Any other reason? 20 A. Moy other reason? 21 A. Mope. No. Sory. 22 The next sentence says, These two 23 | | | | |
|---|--|--|--|--|
| 2 testing. 2 2 don't know whether they did get to him or not, but 3 Q. And who is that? 4 4. Just the people that did the report. We 5 have - we've had several expert witnesses that we've 4 sent, so - that's all i know. 5 Q. And did you provide the names of people 6 hird to come and evaluate the system. 7 Q. Who are they? 7 A. No, 1 did not. 7 Q. Who are they? 7 A. No, 1 did not. 9 A. Lithink Greg Shepard did. I'm not 10 the - Dave is usually the one that arranges all of 1m repoyee witnesses. 10 tho not really even keep track. 10 positive, but think him or his son, Matt. Probably 11 my expert witnesses. 10 tho many fashion? 11 Matt. Matt was the one who got the 12 data. 13 O. How many expert witnesses do you think you 13 O. Low many expert witnesses do you think you 14 selected these 30 names for affidavits? 15 A. I don't know. There, five. Three to 16 five. 10 positive, but think him or his son, Matt. Probably 14 selected these 30 names for affidavits? 13 A. I don't know. I didn't eash im. 10 positive, but think him or his son, Matt. Probably 16 five. 0. Any other reason? 20 A. Well like 1 said, vikat do you 14 selected these 30 names for affidavits? | | - | | - |
| 3 Q. And who is that? 3 that's where they were - 1 was told that they were 4 A. Just the people that did the report. We 5 have - we've had several expert witnesses that we've 5 have - we've had several expert witnesses that we've 5 And did you provide the names of people 6 have - we've had several expert witnesses 6 And did you provide the names of people 6 have - we've had several expert witnesses 6 And did you provide the names of people 7 Q. Who are they? A. I don't know. You would have to talk to 9 Dave is usually the one that arranges all of 10 positive, but I think him or his son, Matt. Probably 11 max meetaine any expert witnesses. 10 positive, but I think him or his son, Matt. Probably 14 have retained in any fashion? 12 2 data. 15 A. I don't know. Three, five. Three to 16 16 16 five. 10 positive, but I think him or his son, Matt. Probably 18 In the expert witnesses. 11 14 selected these 30 names for affidavits? 16 Q. Okay. Why aren't any of them testifying 16 A. I con't know. I didn't and o you 18 have to support that first antine testifying 16 16 | | • | | - |
| 4 A. Just the people that did he report. We 4 sent, so that's all know. 5 have we've had several expert witnesses that we've 5 0. And did you provide affiabrits? 7 0. Who are they? 7 A. I don't know. You would have to talk to 9 bave about that. I don't know would have to talk to 9 A. I don't know. You would have to talk to 9 bave about that. I don't know. You would have to talk to 9 A. I think Greg Shepard did. Than ot 10 the Dave is usually the one that arranges all of 11 M. I don't know. Threel, five. Three to 10 6. No you have more may fashion? 13 O. Do you happen to know how Mr. Shepard 11 max retained in any fashion? 14 selected these 30 names for affidavits? 15 A. I don't know. Three, five. Three to 16 0. So aside, Mr. Johnson, from pictures and 17 O. Okay. Why aren't any of them testifying 17 Detentially other people, what, I any data do you 16 a. So aside, Mr. Johnson, from pictures and solar 19 Is are to support thicat sentence, 2 Q. The next sentence says, "These two 23 In thic fields evaluated the system independently 2 M. More are | | 5 | | , , |
| 5 have - we've had several expert witnesses that we've 6 0. And di you provide the names of people 6 hired to come and evaluate the system. 6 0. And di you provide affidavits? 7 Q. Who are the?? 7 A. No, I did not. 7 8 A. I don't know. You would have to talk to 8 0. Do you know who did? 9 Dave about that. I don't know ther manes. Dave is 9 A. I think Greg Shepard did. I'm not 10 the - Dave is usually the one that arranges all of 10 positive, but I think him or his son, Matt. Probably 11 my expert witnesses. I don't really even keep track 10 positive, but I think him or his son, Matt. Probably 11 more and there when they do it. 12 data. 13 Q. How many expert witnesses do you think you 14 ade deter these 30 names for affidavits? 14 have retained in any fashion? 16 ifwe. 17 Q. Okay. Why aren't any of them testifying 16 Q. So aside, Mr. Johnson, from pictures and 17 potentially other reason? 20 A. Well, like I said, the expert witnesses. 21 A. Nope. No. Sorry. 20 A. Well, like I said, the expert witnesses. 23 components, turbine and solar lens arrays, have been working for some time? 10 you include thos? I mam, the other ex - 1 22 mear. Page 116 1 Wrole det that would classify ex | 3 | | | |
| 6 hired to come and evaluate the system. 6 who could provide affidavits? 7 Q. Who are they? A. I don't know. You would have to talk to 9 Dave about that 1 don't know their names. Dave is 0 Do you know who did? 9 Dave about that 1 don't know their names. Dave is 0 Do you know who did? 10 the — Dave is usually the one that arranges all of 10 positive, but think him or his son, Matt. Probably 11 my expert witnesses. I don't really even keep track 10 positive, but think him or his son, Matt. Probably 11 my expert witnesses do you thinky you 13 Q. Do you happen to know how Mr. Shepard 14 have retained in any fashion? 13 Q. Do you happen to know how Mr. Shepard 15 A. I don't know. Three, five. Three to 16 Q. So aside, Mr. Johnson, from pictures and 17 Q. Okay. Why aren't any of them testifying 18 have to support the ide athat the turbice and solar 18 in his case? 18 have to support the ide athat the turbice and solar 20 Q. Any other reason? 20 A. Well, like I said, the expert witnesses. 21 Did you include those? I mean, the other ex - I 22 mean, the other people that I would classify expert 23 components, turbine and solar lens arrays, have been 21 Did lifedid sevialuate the system independently 24 working for some time." 2 A. Where are you at? Oh, okay, I've got it. 3 A. I don't have | | | 4 | |
| 7 Q. Who are they? 7 A. No.1 did not. 8 A. I don't know. You would have to talk to 9 Dave about that. I don't know. You would have to talk to 9 Dave about that. I don't know. You would have to talk to 9 A. I think Greg Shepard did. I'm not 10 the provide sually the one that arranges all of 10 positive, but I think him or his son, Matt. Probably 11 may expert witnesses. I don't really even keep track 11 Matt. Matt did. Yeah, Matt was the one who got the 13 Q. How many expert witnesses do you think you 14 Matt. Matt. did. Yeah, Matt was the one who got the 14 have retained in any fashion? 15 A. I don't know. Three, five. Three to 15 A. I don't know. I didn't ask him. 16 five. 10 Do you happen to know how Mr. Shepard 17 Q. Okay. Why aren't any of them testifying 16 A. I don't know. I didn't ask him. 16 Q. So as aide, Mr. Johnson, from pictures and 18 in this case? 10 A. Nole, Iki I said, the expert witnesses. 11 Dave to support the idea that the utrine and solar 20 A. No enterset So as aide, Mr. Johnson, What data do you 18 Imar field's evaluated the system inde | | | | |
| 8 A. I don't know. You would have to talk to 8 Q. Do you know who did? 9 Dave about that. I don't know their names. Dave is 10 Positive, but I think Greg Shepard did. I'm not 10 the Dave is usually the one that arranges all of 10 positive, but I think thim or his son, Matt. Probably 11 my expert witnesses. I don't know. Three, five. 12 data. 13 Q. How many expert witnesses do you think you 14 selected these 30 names for affidavits? 14 have retained in any fashion? 13 Q. Do you happen to know how Mr. Shepard 14 have retained in any fashion? 15 A. I don't know. Three, five. 16 five. 16 Q. So aside, Mr. Johnson, rop pictures and 17 Q. Okay. Why aren't any of the testifying 17 potentially other people, what, if any, data do you 18 not in this case? 10 No whith is asset? 11 20 A. my other reason? 20 A. Well, ike I sate do the second 21 23 components, turbine and solar lens arrays, have been 21 10 10 jou include those? I mean, the other exI 24 Ochertexpeople. Na. I | 6 | hired to come and evaluate the system. | 6 | who could provide affidavits? |
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| 14 have retained in any fashion? 14 selected these 30 names for affidavits? 15 A. I don't know. Three, five. Three to 16 G. So aside, Mr. Johnson, from pictures and 17 Q. Okay. Why aren't any of them testifying 15 A. I don't know. I didn't ask him 18 in this case? 16 G. So aside, Mr. Johnson, from pictures and 17 Q. Okay. Why aren't any of them testifying 16 G. So aside, Mr. Johnson, from pictures and 18 in this case? 19 A. Didn't feel like I needed to. 20 Q. Any other reason? 20 A. Well, like I said, the expert witnesses. 21 A. Nope. No. Sorry. 20 A. Well, like I said, the expert witnesses. 23 components, turbine and solar lens arrays, have been working for some time." 20 A. Well, like I said, the expert witnesses. 23 components, turbine and solar lens arrays, have been 22 mean, the other people that I would classify expert 23 components, turbine and solar lens arrays, have been 23 in their fields evaluated the system independently 24 working for some time." 25 O. Mr. Johnson, please turn to page 6 of 26. 7 A. Where are you at? Oh, okay, I've got it. 3 A. Six of 26? And what paragraph? 4 O. A protures. 6 Q. It says: 7 A. Okay. 7 Q. Anything else? 7 A. Okay. 9 "The Johnson turbine'? 8 A. Other people. You coul | 12 | of them, nor am I there when they do it. | 12 | data. |
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| 1 | Page 117 Q. Do you have any other support for that | 1 | Page 119 testing, information from experts, one in NASA, one |
|---|--|--|---|
| | sentence? | | from Pennsylvania |
| 3 | A. Not that I've kept. I did my own | 3 | A. Right. |
| | evaluation, obviously. And I did my own evaluation | | - |
| | into create the the turbine in order to before | | sentence that your turbine does not need a cooling |
| | I built it, I developed all the mathematics that | | process as part of the turbine. |
| 7 | · · · · · · · · · · · · · · · · · · · | 7 | |
| | from that mathematical model. | 8 | Q. What, if any, data did have you kept |
| 9 | Q. Do you still have the information | | from your own testing? |
| | generated by that mathematical model? | 10 | A. I haven't kept any other than what would |
| 11 | A. I do not. | 11 | be involved in the patents. |
| 12 | Q. Do you have | 12 | Q. What, if any, data did the NASA scientists |
| 13 | A. But I have the turbine. | | provide? |
| 14 | Q. Do you have any data supporting your owr | | A. They finished a a report, which you |
| | evaluation? | | have. |
| 16 | A. No, I do not. Other than the patents. | 16 | |
| | There is, I think, three or four patents on that | 17 | |
| | turbine. So that data would be there. That's | 18 | Q. When did that person purportedly provide a |
| 1 | permanently there. That's available to you. | | report? |
| 20 | Q. Any other data to support that sentence? | 20 | A. I don't know the date the dates either. |
| 21 | A. No. | | I didn't keep track of those. |
| 22 | Q. Then I would like you to turn to page 9 of | 22 | Q. The person from Pennsylvania, what, if |
| | 26, please. I'm looking at a sentence in the middle | | any, data do you have in support of that person's |
| | of the first full paragraph | | analysis? |
| 25 | A. Okay. | 25 | - |
| | Page 118 | | |
| | | | Pade 120 |
| 1 | | 1 | Page 120 somebody does have some, but I don't know who. I am |
| 1 | Q that says, "The Johnson turbine does | | somebody does have some, but I don't know who. I am |
| 2 | Q that says, "The Johnson turbine does not need a cooling process as part of the turbine." | 2 | somebody does have some, but I don't know who. I am trying to figure out who had that. |
| | Q that says, "The Johnson turbine does | 2 3 | somebody does have some, but I don't know who. I am |
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| 1 | Page 121 | | Page 123 |
|---|--|--|--|
| 1 | A. I don't have any. I don't keep it. | 1 | I I just don't remember. |
| 2 | Q. Please take a look at the next sentence | 2 | - |
| 3 | which says, "The discharge from the rocket nozzles | 3 | with a traditional heat exchanger, have you kept any |
| 4 | can be collected and merely subjected to a typical | 4 | data? |
| 5 | heat exchange condenser to recover and recycle the | 5 | A. No, I haven't. No. |
| 6 | water." | 6 | Q. From the tests of your turbine with your |
| 7 | Did I read that correctly? | 7 | own heat exchanger, have you kept any of the data |
| 8 | A. That's true. | 8 | resulting from those tests? |
| 9 | Q. Do you have any support for that sentence | 9 | A. Other than what's in my patents and what |
| 10 | that is different than the support that you have for | 10 | is in the office of Dave's Nelson's, I haven't. |
| 11 | the prior sentence? | 11 | Q. Is it possible for someone to re-create |
| 12 | A. Do you want me to tell you the difference | 12 | your tests with your data? |
| 13 | between the two the two sentences? | 13 | A. No. But they can with the actual |
| 14 | Q. Well, I'll withdraw that question. | 14 | equipment. |
| 15 | Mr. Johnson, what, if any, support | 15 | Q. Has anyone ever done that? |
| 16 | factual support do you have for the sentence that the | 16 | A. Yes. |
| 17 | discharge from the rocket nozzles can be collected | 17 | |
| | and merely subjected to a typical heat exchange | 18 | A. My employees. |
| 19 | condenser to recover and recycle the water? | 19 | Q. Anyone else? |
| 20 | A. Probably every every scientific book | 20 | A. I don't think so. Not the new heat |
| | that's been out that's been published on | | exchangers; I kept that kind of a secret. I didn't |
| | condensing steam. | | want somebody stealing it from me. |
| 23 | Q. Have you ever tested the turbine with any | 23 | Q. Have you kept any of the data from any |
| | system to recover and recycle the water, as you | | testing by your employees of your turbine with your |
| 25 | describe here? | 25 | own heat exchanger? |
| | Page 122 | | Page 124 |
| 1 | A. Yes, we've done it in several ways. One, | 1 | A. They never I never allowed them to |
| | we use traditional heat exchangers. | | write data down. |
| 3 | But the the secondary is we had | | |
| 1 | ale cale and a constant and a cale and a constant of the const | 3 | Q. So the answer is no? |
| | developed our own heat exchanges, which we have now | 4 | A. No. |
| 5 | patented, which is much more efficient and much | 4 5 | A. No.Q. Mr. Johnson, I'm looking at the last |
| 5 6 | patented, which is much more efficient and much smaller and a lot cheaper and and requires less | 4 5 6 | A. No.Q. Mr. Johnson, I'm looking at the last sentence of that section on page 9, which says, "We |
| 5 6 7 | patented, which is much more efficient and much smaller and a lot cheaper and and requires less maintenance. | 4 5 6 7 | A. No. Q. Mr. Johnson, I'm looking at the last sentence of that section on page 9, which says, "We expect to get many times the useful life expected in |
| 5 6 7 8 | patented, which is much more efficient and much smaller and a lot cheaper and and requires less maintenance. And that also, then, works as a heat | 4 5 6 7 8 | A. No. Q. Mr. Johnson, I'm looking at the last sentence of that section on page 9, which says, "We expect to get many times the useful life expected in the Rankine cycle from the Johnson turbine." |
| 5 6 7 8 9 | patented, which is much more efficient and much smaller and a lot cheaper and and requires less maintenance. And that also, then, works as a heat exchanger to to condense steam back to an electric | 4 5 7 8 9 | A. No. Q. Mr. Johnson, I'm looking at the last sentence of that section on page 9, which says, "We expect to get many times the useful life expected in the Rankine cycle from the Johnson turbine." Did I read that correctly? |
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| | Page 125 | | Page 127 |
|--|---|--|---|
| | in order to maintain the integrity of the boiler, and | 1 | |
| | the rate at which the boiler expires due to the fluid | 2 | |
| | passing through it, including including the fact | | don't I don't, but it does work. |
| | that if you use fluid that is dirty in any respect, | 4 | Q. On page 10 of 26, the last sentence of the |
| | you can expect to have so much damage done to the | 5 | |
| | boiler in basically the dirt and stuff that comes out | 6 | A. What page again? |
| 7 | of that water and goes into the boiler. | 7 | Q. 10 of 26. |
| 8 | If you were to use water that I use in my | 8 | A. Okay. |
| 9 | turbine, you would last three days in a Rankine cycle | 9 | Q. It says, "We have tested the Johnson |
| 10 | boiler. | 10 | turbine above 1,000 degrees, and it worked very well |
| 11 | Q. Do you have any other sources of data to | 11 | at that temperature." |
| 12 | support that sentence? | 12 | A. Correct. |
| 13 | A. No, but it's all in the books. It's all | 13 | Q. What, if any, data do you have to support |
| 14 | in your it's all in your technology books. It's | 14 | that statement? |
| 15 | available to you. | 15 | A. I didn't keep any data. |
| 16 | Q. Which books? | 16 | (Discussion off the record.) |
| 17 | A. All your textbooks on on on all | 17 | Q. Would you please turn to page 7 of 26? |
| 18 | the on all of the all the books that describe | 18 | A. Okay. |
| 19 | the Rankine cycle boiler system and and the | 19 | Q. I'm looking at the the sentence starts |
| | qualifications required to operate one. | 20 | on page 6 at the bottom. |
| 21 | Q. So what, Mr. Johnson, data do you have to | 21 | A. Page 6? |
| 22 | support your assertion that the Johnson turbine will | 22 | Q. At the bottom. |
| | exceed a typical useful life? | 23 | A. Okay. |
| 24 | A. Same same thing. When you take a | 24 | Q. But I'm interested in the phrase that's on |
| | take a fluid and you don't evaporate the fluid into a | | page 7 |
| | | - | 1 - 5 - |
| | D (100 | | D 100 |
| 1 | Page 126 steam, then you don't the particulates in the | 1 | Page 128 A Okay |
| | steam, then you don't the particulates in the | 1 | A. Okay. |
| 2 | steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate | 2 | A. Okay.Q which says, "Temperature into the |
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| | Page 129 | Page 131 |
|--|--|---|
| 1 of the nozzles using the di | - | 1 Q. Please remember to speak up so that the |
| 2 nozzles using the saturate | | 2 court reporter can hear you. |
| | | 3 A. I'm sorry. |
| | | 4 Q. Did that person who you believe worked for |
| 5 300 degrees steam, the st | - | 5 Rocky Mountain Power in Milford provide you with |
| 6 less producing less thru: | st than the water directly 6 | 6 anything in writing after any test at Milford? |
| 7 from the well. | | 7 A. They actually wanted a contract with me to |
| | 3 ····· 1 / ····· | 8 buy power from me |
| 9 Mr. Johnson | 9 | 9 Q. Sir |
| 10 A. Okay. | 10 | 10 A with my and I think that there is a |
| 11 Q because I aske | d you what data. 11 | 11 writing there is a paper that they produced that |
| 12 A. I didn't keep any o | data. 12 | 12 someone might still have. I don't know. |
| 13 Q. Okay. | 13 | 13 Q. What's that |
| 14 A. But we have pictu | ires. 14 | 14 A. I don't know. |
| 15 Q. Do you have anyt | thing other than pictures? 15 | 15 Q. What is that writing? |
| 16 A. No. | 16 | A. I don't know, but some kind of a contract |
| 17 Q. When was the tes | st at BYU? 17 | 17 that they wanted to buy electricity using my turbine, |
| 18 A. 2002, I think. | 18 | 18 if I would set it all up for them. And the price of |
| 19 Q. What was the nar | me of the professor? 19 | 19 the electricity I I didn't want to do it at that |
| 20 A. I don't know. | 20 | 20 price. But that was that was a long time ago. |
| 21 Q. Did anyone at BY | U provide you anything in 21 | 21 Q. Before or after 2000? |
| 22 writing after that test? | 22 | A. It was after 2000, but it was right around |
| 23 A. No. | 23 | 23 2002, 2003. |
| 24 Q. When was the tes | | Q. Okay. But you never signed that contract, |
| 25 A. 2002. | - | 25 correct? |
| | Page 130 | Page 132 |
| | | |
| 1 Q. Who was there? | 1 | 1 A. I don't know if I did or not. There was a |
| | | A. I don't know if I did or not. There was a 2 dispute on something. I may have signed it, and |
| | employee, Curtis Snow, I 2 | |
| 2 A. My two sons. An | employee, Curtis Snow, I 2 . And I don't know if 3 | 2 dispute on something. I may have signed it, and |
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| | Page 133 | | Page 135 |
|--|---|--|---|
| 1 | , , , , , , , , , , , , , , , , , , , | 1 | A. Uh-huh (affirmative). |
| | facts of this case, Mr. Johnson? | 2 | Q. Yes? |
| 3 | A. I don't know. It had to do with the case. | 3 | A. Yes. Uh-huh. |
| | I mean, I he's going to ask me a question. He | 4 | Q. Mr. Johnson, do you recall testifying on |
| | said to answer. To clarify something, so what | - | July 1st of this year? |
| | what the question was to ask me, he didn't tell me. | 6 | A. Uh-huh (affirmative). |
| | He said he was going to ask me a question. That's all I know. | 7 | Q. Yes? |
| | | 8 | A. Uh-huh (affirmative). Q. Yes? |
| 9 | Q. So did you talk with anybody about the facts of this case on the break? | 9 10 | |
| 11 | | - | A. Yes. Oh, excuse me. Pardon me. |
| 12 | A. Nope. Nope, I haven't.Q. Are there any answers to my questions that | 11 | Q. You testified on July 1st, or around then, |
| | | 12 | that LTB O&M, LLC, had never undertaken any activity. |
| 13 | you wish to clarify or amplify? A. Not at this time. | 13 | Do you recall that? A. Yes, I do. |
| 14 | Q. Mr. Johnson, let's take a look back, | 14 | Q. From July 1st to the present date has LTB |
| | please, at page 8 of your report. | | O&M, LLC, undertaken any activity? |
| 17 | | 17 | A. I don't know if they have or not. There |
| 18 | Q. The first sentence. It starts with the | | has been discussion of of with the accountants |
| | phrase, "The solar process heat." | | to see if there is an appropriate requirement that I |
| 20 | Mr. Johnson, what's your understanding of | | have to disburse some some funds, whether it's |
| | solar process heat? | | from LTB or some other company. So I don't know |
| 22 | | | whether that's we haven't done any yet, but I |
| | heat that can be used for a commercial or a home heat | | think they are anticipating doing something like |
| | that will will heat will will will | | that. |
| | substitute for any other heat generated by any other | 25 | Q. And, Mr. Johnson, you are the manager for |
| | | | · · · · |
| 1 | Page 134 source, such as if a if you use solar energy to | 1 | Page 136 LTB O&M, LLC, correct? |
| | heat your home with and you can replace a certain | 2 | |
| | amount of that heat with that was generated by a | 3 | |
| | natural gas, say, or a carbon heat source, then that | - | activity, you would either do it or know about it, |
| | would qualify, then, for the tax credit. So process | | correct? |
| | heat would be something that would replace any amount | | |
| | of of other types of other types of heat | 7 | |
| | source, whether it be bio biometrics not | 8 | accountants, has LTB O&M undertaken any activity |
| | | | |
| 9 | biometrics bi anyway. Coal or or or wood | 9 | since July 1st? |
| | biometrics bi anyway. Coal or or or wood or or any kind of heat used for the purpose of | 9 10 | |
| | or or any kind of heat used for the purpose of | | since July 1st? |
| 10 11 | or or any kind of heat used for the purpose of | 10 11 | since July 1st? A. I don't believe so, no. |
| 10 11 | or or any kind of heat used for the purpose of doing anything with. So the definition would be | 10 11 | since July 1st? A. I don't believe so, no. Q. Has the entity LTB1, LLC, undertaken any activity since July 1st? |
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|--|--|--|--|
| 1 | Page 137 field been sold for the purpose of heating water or | 1 | Page 139 A. Okay. Fine. |
| | other working fluid that goes to the turbines? | 2 | Q. So the answer, Mr. Johnson, is that no |
| 3 | | | money has changed hands between you and any other |
| 4 | Q. Then that first sentence goes on to say | | person for the sale of concentrated solar radiation, |
| 5 | | | correct? |
| 6 | | 6 | A. Correct. |
| - | field is to produce concentrated solar radiation that | - | (Discussion off the record.) |
| | is sold for irradiating concentrated photovoltaic | 8 | Q. With respect to the solar field |
| 9 | | - | Mr. Johnson, are you awake? |
| 10 | | 10 | A. I'm awake. Go ahead. |
| 11 | A. Yes. | 11 | Q. With respect to the solar field that you |
| 12 | Q. Has any concentrated solar radiation | | referred to at the beginning of this sentence, has |
| | actually been sold for irradiating concentrated | | any money changed hands between any person or any |
| | photovoltaic receivers? | | entity for concentrated solar radiation? |
| 15 | • | 15 | A. Yes. I |
| 16 | | 16 | Q. Who is that? |
| 17 | 5 | 17 | A. I have paid money to International |
| 18 | | | Automated Systems for their participation in the |
| 19 | 2 | 19 | development process of some of my patents. And in |
| 20 | | 20 | doing so, the money that was the the solar |
| 21 | Q. Yes? | 21 | radiation that was being generated by all of the |
| 22 | A. Yes. | 22 | panels that had been been had been in |
| 23 | | | production for the research and development and I |
| 24 | • | | have then paid International Automated Systems |
| 25 | • | | hired them to participate in some of the research and |
| | Page 138 | | Page 140 |
| 1 | A. Just the RaPower or any other customer | 1 | development of the solar panels. |
| 2 | that's bought bought equipment in the bonus | 2 | Q. Mr. Johnson, did you pay IAS for the heat |
| 3 | | 3 | that was produced? |
| 4 | developing the solar energy for research and | 4 | A. Yes. |
| | development in developing much of the patents that | 5 | Q. How much did you pay IAS? |
| | we've developed. | 6 | A. Millions of dollars or something like |
| 7 | They have had an increase in their | 7 | total total, probably 10 or \$15,000,000 so far. |
| 8 | | 8 | Q. Did you pay the owner of any lens any |
| 9 | have been issued by the research and development of | 9 | money for their lens having contributed to the |
| 10 | | | production of concentrated solar radiation? |
| 1 | potentially profitable than it would be without that | 11 | A. Not at this time. |
| 11 | | | |
| | kind of research and development. | 12 | Q. So, Mr. Johnson, what, if any, data do you |
| | • | | Q. So, Mr. Johnson, what, if any, data do you have to support the idea that the solar field will |
| 12 13 | • | 13 | |
| 12 13 14 | And so what we've done is created a bonus | 13 14 | have to support the idea that the solar field will |
| 12 13 14 15 | And so what we've done is created a bonus program that they can participant in the in the | 13 14 | have to support the idea that the solar field will produce BTUs for the purpose of heating water or |
| 12 13 14 15 16 | And so what we've done is created a bonus program that they can participant in the in the gross sales of AIS, but they're the actual money | 13 14 15 | have to support the idea that the solar field will produce BTUs for the purpose of heating water or other working fluid that will go to the turbine? |
| 12 13 14 15 16 17 | And so what we've done is created a bonus program that they can participant in the in the gross sales of AIS, but they're the actual money the bonus program is based upon the amount of | 13 14 15 16 17 | have to support the idea that the solar field willproduce BTUs for the purpose of heating water orother working fluid that will go to the turbine?A. From the from the sciences that have |
| 12 13 14 15 16 17 | And so what we've done is created a bonus program that they can participant in the in the gross sales of AIS, but they're the actual money the bonus program is based upon the amount of money that I that I participate in. And I share that with my customers. And I do the research and | 13 14 15 16 17 18 | have to support the idea that the solar field willproduce BTUs for the purpose of heating water orother working fluid that will go to the turbine?A. From the from the sciences that havebeen developed over the years. And from those |
| 12 13 14 15 16 17 18 | And so what we've done is created a bonus program that they can participant in the in the gross sales of AIS, but they're the actual money the bonus program is based upon the amount of money that I that I participate in. And I share that with my customers. And I do the research and development separate from a separate position than | 13 14 15 16 17 18 19 | have to support the idea that the solar field will produce BTUs for the purpose of heating water or other working fluid that will go to the turbine?A. From the from the sciences that have been developed over the years. And from those sciences and the books that have been published there |
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| 1 | Page 141 | 4 | Page 143 |
|---|--|--|---|
| | research for the last 400 years. | 2 | those has, in fact, wrote down exactly what it is. Q. And who is that? |
| 2 | Q. Mr. Johnson, I'm talking about your solar field. Your solar field. | 3 | A. I don't know, but it's in your daughter |
| 4 | A. My solar fields are the same as every | - | it's in your data. I don't know. |
| | other Fresnel lens and can be proven as such, and can | 5 | Q. Who are these independent people? |
| | be duplicated by any person that chooses to do that. | 6 | A. I don't know. They're they're the |
| 7 | Q. So what I'm asking you about is how is | | textbooks are from from the French, and that's why |
| | your solar field going to produce BTUs that are sold. | | it's called Fresnel, because of Fresnel is a |
| | What data do you have to support that idea? | | Frenchman who developed it. And he developed that |
| 10 | A. The same data that has shown in every | | and and the mathematical formulas that he has |
| | other Fresnel lens, that it will produce heat. And, | 11 | |
| | in fact | 12 | Q. Mr. Johnson, you testified this morning |
| 13 | Q. Can you give me anything specific? | | that you tested components and components connected |
| 14 | A it has produced heat, and it can be | | to one another thousands of times. |
| | proven scientifically by anybody independent of me | 15 | A. I have. |
| | choosing to go down and do the proper tests to make | 16 | Q. Do you remember the testing conditions for |
| | sure that it works the same exact way that every | | each of those thousands of tests? |
| | other solar Fresnel lens will work. | 18 | A. I do not. But I do know this, that if the |
| 19 | In fact, we have an expert witness that | 19 | |
| 20 | has drawn out the fact of the lens, the way the lens | 20 | sun, and if the Fresnel lens is in the is in a |
| | was produced and is is factual in its mathematical | | 90-degree angle to the sun, that that Fresnel lens |
| | conception of a Fresnel lens. And we have duplicated | | will concentrate the light into a focal point that |
| 23 | that mathematically. And anybody can go down with | 23 | anybody can reproduce. And it is mathematically |
| 24 | the proper training and proper books and proper test | 24 | certain. |
| 25 | equipment and prove that this is a Fresnel lens. And | 25 | Q. Are the testing conditions for these |
| | | | |
| | Page 142 | | Page 144 |
| 1 | Page 142 because it is a Fresnel lens, the proof | 1 | Page 144 thousands of times you claim to have tested these |
| | | | 5 |
| 2 | because it is a Fresnel lens, the proof | 2 | thousands of times you claim to have tested these |
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| | Page 145 | | Page 147 |
|--|---|--|--|
| 2 | made your own little stand, you'll heat that water in | 1 | |
| | that little tube and that will then heat that will | 2 | Please take a look at the last sentence of the last |
| 3 | be a higher temperature by 300 times what you'll get | 3 | full paragraph on page 12. |
| 4 | out of a standalone. So, yeah, 300 to 1. And you | 4 | A. Okay. |
| 5 | can take that home and use that in your home to heat | 5 | Q. It says, "The tracking system is |
| 6 | your hot water for your domestic hot water, where the | 6 | engineered for very slow incremental changes while |
| 7 | thing on its own will not, but the thing on its own | 7 | maintaining the hydraulic pressure on both sides of |
| 8 | already qualifies. | 8 | the towers. This maintains accurate positioning and |
| 9 | And so you the Fresnel lens does, in | 9 | avoids jerky or sudden movements that might misalign |
| 10 | fact, concentrate those sunlight, and it's | 10 | or damage the solar array." |
| 11 | reproducible and you can take it home and you can use | 11 | Did I read those two sentences correctly? |
| 12 | it by yourself. So it's | 12 | A. Yes. |
| 13 | Q. Mr. Johnson, I'm going to stop you | 13 | Q. What, if any, data do you have to support |
| 14 | A an independent system. | 14 | those two sentences? |
| 15 | Q. I'm going to stop you there. I understand | 15 | A. Again, we've had a lot of data on that |
| 16 | your testimony, that you believe a Fresnel lens is an | 16 | particular issue. And I did that the math I |
| 17 | independent system. | 17 | did it mathematically to start with and to prove that |
| 18 | | 18 | if you take a hydraulic cylinder and and you |
| 19 | 5 | 19 | have you have oil on one side of the pressure |
| 20 | A. Well, I don't care whether you do or not. | 20 | Q. Mr. Johnson, I'm going to stop you here. |
| 21 | It's a fact, because it it's independent | 21 | I'm going to stop you here because I asked you what, |
| 22 | 0 0 | 22 | if any, data you have to support this these |
| 23 | • | | sentences? |
| 24 | | 24 | • |
| 25 | move on. | 25 | reasons I told you, because we don't want people to |
| | Page 146 | | Page 148 |
| 1 | A. It's an independent process of of | | duplicate our our equipment. |
| | concentrated heat and that | 2 | |
| 3 | 1 1 0 | | of data |
| 4 | • | 4 | A. I do. |
| | | | |
| 5 | | 5 | , |
| 6 | You talked about this morning other | 6 | A. Well, I don't have any that I don't |
| 6 7 | You talked about this morning other components, including the turbine, the heat transfer | 6 7 | A. Well, I don't have any that I don't have in in at Dave Nelson's possession. There |
| 6 7 8 | You talked about this morning other components, including the turbine, the heat transfer fluid and interconnections among the different | 6 7 8 | A. Well, I don't have any that I don't have in in at Dave Nelson's possession. There is a patent pending on that particular thing, or a |
| 6 7 8 9 | You talked about this morning other components, including the turbine, the heat transfer fluid and interconnections among the different components that you've tested thousands of times. | 6 7 8 9 | A. Well, I don't have any that I don't have in in at Dave Nelson's possession. There is a patent pending on that particular thing, or a patent issued. I don't know. |
| 6 7 8 9 10 | You talked about this morning other components, including the turbine, the heat transfer fluid and interconnections among the different components that you've tested thousands of times. Do you remember that? | 6 7 8 9 10 | A. Well, I don't have any that I don't have in in at Dave Nelson's possession. There is a patent pending on that particular thing, or a patent issued. I don't know. Q. Mr. Johnson, your testimony is that if any |
| 6 7 8 9 10 11 | You talked about this morning other components, including the turbine, the heat transfer fluid and interconnections among the different components that you've tested thousands of times. Do you remember that? A. That's correct. | 6 7 8 9 10 11 | A. Well, I don't have any that I don't have in in at Dave Nelson's possession. There is a patent pending on that particular thing, or a patent issued. I don't know. Q. Mr. Johnson, your testimony is that if any data supporting these two sentences exist, Mr. David |
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| 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | You talked about this morning other components, including the turbine, the heat transfer fluid and interconnections among the different components that you've tested thousands of times. Do you remember that? A. That's correct. Q. Okay. For the testing of components, not just the Fresnel lens but other components, do you remember the testing conditions for each of those thousands of tests? A. Yes. Q. Okay. Did you write them down anywhere? A. Yes. Q. Is that with the data that you claim to have recorded from these tests? A. I don't keep that data, and I don't keep it for a particular reason. And the reason is is because I do not want people stealing my data and | 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | A. Well, I don't have any that I don't have in in at Dave Nelson's possession. There is a patent pending on that particular thing, or a patent issued. I don't know. Q. Mr. Johnson, your testimony is that if any data supporting these two sentences exist, Mr. David Nelson has that data? A. That's correct. Q. You mentioned math. With respect to this data, did you engage in mathematical modeling for this? A. Yes, and anybody that would dupli do the same mathematics will come up with the same answer. Anybody doing the same testing on my product will come up with the same answer. And that is, when you put a a hydraulic cylinder with you have Q. Stop. A pressure on both sides, it does work. |
| 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 | You talked about this morning other components, including the turbine, the heat transfer fluid and interconnections among the different components that you've tested thousands of times. Do you remember that? A. That's correct. Q. Okay. For the testing of components, not just the Fresnel lens but other components, do you remember the testing conditions for each of those thousands of tests? A. Yes. Q. Okay. Did you write them down anywhere? A. Yes. Q. Is that with the data that you claim to have recorded from these tests? A. I don't keep that data, and I don't keep it for a particular reason. And the reason is is | 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 | A. Well, I don't have any that I don't have in in at Dave Nelson's possession. There is a patent pending on that particular thing, or a patent issued. I don't know. Q. Mr. Johnson, your testimony is that if any data supporting these two sentences exist, Mr. David Nelson has that data? A. That's correct. Q. You mentioned math. With respect to this data, did you engage in mathematical modeling for this? A. Yes, and anybody that would dupli do the same mathematics will come up with the same answer. Anybody doing the same testing on my product will come up with the same answer. And that is, when you put a a hydraulic cylinder with you have Q. Stop. A pressure on both sides, it does work. Q. Stop. Stop. |

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|---|---|
| 1 Q. What, if any, other testing, besides | 1 Q. Okay. And was this model ever connected |
| 2 mathematical modeling, did you do to get the data | 2 to any other component in model form? |
| 3 that supports those two sentences? | 3 A. We didn't need to on the on the on |
| 4 A. We built then we built a a model | 4 the on the Oasis plant. It was designed to |
| 5 that would reproduce the characteristics that we are | 5 demonstrate that, in fact, the system does work. It |
| 6 involved in making a commercial the commercial | 6 does track the sun. |
| 7 application. | 7 Q. Okay. And, Mr. Johnson, what, if any, |
| 8 Q. Where is that model? | 8 data do you have from any testing on the model of the |
| 9 A. It's in the off you saw it down there | 9 tracking system? |
| 10 in the in the Oasis building. You saw it work. | 10 A. Again, I do not keep any of the data. |
| 11 It had a little it had a cylinder this big, and it | 11 Q. All right. You talked about mathematical |
| 12 had a cylinder this big on top. And it had all the | 12 modeling and a physical model. |
| 13 hydraulic system right there. It had the computer | 13 A. Right. |
| 14 system right there. It had all the references and | 14 Q. Have you done any other testing that |
| 15 all the all the technology that referenced it. We | 15 provided data that supports these two sentences? |
| 16 hooked it up and made it work for you. | 16 A. All of the all the towers out in the |
| 17 Q. Mr. Johnson, are you talking about the | 17 field have that mechanism on it, and they do operate. |
| 18 moment on our site tour where one of the Fresnel | 18 And you saw one of them operating there while you |
| 19 arrays moved at the top of a tower? | 19 were there. |
| 20 A. No, that was after that. It was in the | 20 Q. And what, if any, data do you have from |
| 21 office. When we walked through the office, you | 21 the actual towers out on the R&D site that supports |
| 22 walked through it. You wanted to look at everything. | 22 these two sentences? |
| 23 We showed you that. And we showed you how the how | A. We don't have any actual data, but we |
| 24 the hydraulic systems turned the mechanisms, making | 24 anybody can reproduce those. |
| 25 it very accurate. | 25 (Discussion off the record.) |
| Page 15 | - |
| 1 You even have a if you go back on your | 1 I don't I don't have any data, no. But |
| 2 cameras, you should be able to find it. | 2 we but it's reproducible by anybody that deals |
| 3 Q. And if it's not on our site visit video | 3 that's trained in the field of hydraulics and would |
| 4 then it may not have happened on our visit; isn't | 4 understand the principle of hydraulics would |
| 5 that right? | 5 understand that the data that we that we could, in |
| 6 A. Well, it may not, but I don't know that he | 6 fact, use can be reproduced by anybody trained and an |
| 7 got everything there, but we showed it to you. It | 7 expert in the field of hydraulics. |
| 8 was right at right in you had to see it as you | 8 Q. Sir, do you recall the testing conditions |
| 9 walked through the door. It was right there. You | 9 for any of the tests that you did on the towers out |
| 10 couldn't even miss it. But I would have showed you11 that, as well as when I showed you the new the | 10 in the field?11 A. Yes. We've tested them under several |
| 11 that, as well as when I showed you the new the12 other turbine and the other the mechanisms around | 12 conditions; some under wind loads as high as 35, 40 |
| 13 there. | 13 miles an hour, and some some without any wind, |
| | |
| 14 Q So what if any testing did you do with | |
| 14 Q. So what, if any, testing did you do with 15 this model that you described? | 14 some with the lenses in any particular configuration |
| 15 this model that you described? | 14 some with the lenses in any particular configuration15 so that we could tell what kind of pressures and what |
| 15 this model that you described?16 A. We then tested it, and we made sure that | 14 some with the lenses in any particular configuration15 so that we could tell what kind of pressures and what16 kind of damage we could expect from any kind of wind |
| 15 this model that you described? 16 A. We then tested it, and we made sure that 17 mathematically it was accurate with the mathematics | 14 some with the lenses in any particular configuration15 so that we could tell what kind of pressures and what16 kind of damage we could expect from any kind of wind17 load. And when we want to move the lenses away from |
| 15 this model that you described? 16 A. We then tested it, and we made sure that 17 mathematically it was accurate with the mathematics 18 that we had designed. | 14 some with the lenses in any particular configuration 15 so that we could tell what kind of pressures and what 16 kind of damage we could expect from any kind of wind 17 load. And when we want to move the lenses away from 18 the wind load to see what the damages would come and |
| 15 this model that you described? 16 A. We then tested it, and we made sure that 17 mathematically it was accurate with the mathematics 18 that we had designed. 19 We then designed a computer program that | 14 some with the lenses in any particular configuration 15 so that we could tell what kind of pressures and what 16 kind of damage we could expect from any kind of wind 17 load. And when we want to move the lenses away from 18 the wind load to see what the damages would come and 19 what kind of a preparation we would have to do in |
| 15 this model that you described? 16 A. We then tested it, and we made sure that 17 mathematically it was accurate with the mathematics 18 that we had designed. 19 We then designed a computer program that 20 would automatically track the sun. | 14 some with the lenses in any particular configuration 15 so that we could tell what kind of pressures and what 16 kind of damage we could expect from any kind of wind 17 load. And when we want to move the lenses away from 18 the wind load to see what the damages would come and 19 what kind of a preparation we would have to do in 20 order to anticipate a windstorm coming through and |
| 15 this model that you described? 16 A. We then tested it, and we made sure that 17 mathematically it was accurate with the mathematics 18 that we had designed. 19 We then designed a computer program that 20 would automatically track the sun. | 14 some with the lenses in any particular configuration 15 so that we could tell what kind of pressures and what 16 kind of damage we could expect from any kind of wind 17 load. And when we want to move the lenses away from 18 the wind load to see what the damages would come and 19 what kind of a preparation we would have to do in 20 order to anticipate a windstorm coming through and 21 when to put the lenses in a position where they |
| 15 this model that you described? 16 A. We then tested it, and we made sure that 17 mathematically it was accurate with the mathematics 18 that we had designed. 19 We then designed a computer program that 20 would automatically track the sun. 21 Q. Does "we" mean you, Mr. Johnson? | 14 some with the lenses in any particular configuration 15 so that we could tell what kind of pressures and what 16 kind of damage we could expect from any kind of wind 17 load. And when we want to move the lenses away from 18 the wind load to see what the damages would come and 19 what kind of a preparation we would have to do in 20 order to anticipate a windstorm coming through and |
| 15 this model that you described? 16 A. We then tested it, and we made sure that 17 mathematically it was accurate with the mathematics 18 that we had designed. 19 We then designed a computer program that 20 would automatically track the sun. 21 Q. Does "we" mean you, Mr. Johnson? 22 A. My son wrote the program for the | 14 some with the lenses in any particular configuration 15 so that we could tell what kind of pressures and what 16 kind of damage we could expect from any kind of wind 17 load. And when we want to move the lenses away from 18 the wind load to see what the damages would come and 19 what kind of a preparation we would have to do in 20 order to anticipate a windstorm coming through and 21 when to put the lenses in a position where they 22 wouldn't be damaged by the wind. |

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|--|---|
| 1 Q. Let's turn, please, to page 16. We are 1 Q. No. Are you talking about the sola | - |
| 2 still on Plaintiff's Exhibit 643. In this section, 2 receiver similar to the type used with parabolic section. | |
| 3 Mr. Johnson, you're talking about solar receivers, 3 collectors | |
| 4 correct? 4 A. No. | |
| 5 A. Yeah, which which place? 5 Q in the consequent paragraph? | |
| 6 Q. On this page generally. 6 A. No. | |
| 7 A. No. Not ex not exactly, no. Huh-uh. 7 Q. No. | |
| 8 Q. Okay. So the second sentence of the first 8 A. Those would all work. They're not | |
| 9 paragraph says, "Accordingly, the Johnson turbine 9 -effective as the one that we later developed | |
| 10 version of the IAS system may utilize a variety of 10 were anticipating using one of these, but we | |
| 11 solar receivers that are capable of receiving the | itilize |
| 12 concentrated solar energy from the collectors of each 12 something different. | |
| 13 tower and transferring that energy to a heat source 13 Q. Okay. So, Mr. Johnson, what, if ar | • |
| 14 fluid." 15 Did Laged that correctly? | with |
| 15 Did I read that correctly? 15 the vacuum tube system? | |
| 16A. Right, but the theory but you left out16A. We gave that to you, I believe. That17 the first sentence.17 that information was given we purchased | |
| 1717111711 <td>linal and</td> | linal and |
| 19 solar receivers, correct? 19 Q. Mr. Johnson, I object to the | |
| 20 A. Right, but you talked about the whole 20 responsiveness of the answer. | |
| 21 paragraph. The whole paragraph does not exclusively 21 Please read back my question. | |
| 22 talk about the receivers. 22 (Record was read as follows: "So, | |
| 23 Q. Okay. Let's move on. All right. So 23 Mr. Johnson, what, if any, data do you h | nave that |
| 24 we're talking about solar receivers. That same 24 reflects the testing you did with the vacu | |
| 25 paragraph also says I'm sorry. Actually, 25 tube system?") | |
| Page 154 | Page 156 |
| 1 returning to the sentence that I read. 1 A. It's on our computer system and | - |
| 2 A. Okay. 2 and we reproduced that for you. | |
| 3 Q. So, Mr. Johnson, you have not decided 3 Q. What computer system is this on? | |
| 4 which solar receiver to use? Is that the case? 4 A. Just my laptop and other computer | s that we |
| 5 A. Well, whether we have or whether we 5 have available to us. | |
| 6 haven't isn't the issue. 6 Q. Is there any other place that data a | |
| 7 Q. That's my question to you, sir. Have you 7 the testing that you engaged in for the vacu | um tube |
| 8 decided which to use? 8 system is housed? | |
| 9 A. Yes, we have. Yes. 9 A. No, I don't believe so. | |
| 10Q.Which one?10Q.What kinds of testing did you enga11A.We are using the the one that has the11 produce the data that's stored on your lapto | • |
| 11 A. We are using the the one that has the 11 produce the data that's stored on your lapto | - |
| | |
| 12 coils of copper with sandwiched in the glass. And 12 A. We placed the vacuum tube in the | |
| 12 coils of copper with sandwiched in the glass. And12A. We placed the vacuum tube in the13 we've decided that probably is going to be the most13 the of the Fresnel lens optics focal point a | and it |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system.12A. We placed the vacuum tube in the 13 the of the Fresnel lens optics focal point a 14 generated a tremendous amount of heat, are | and it |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 12 A. We placed the vacuum tube in the field in the glass. And 12 A. We placed the vacuum tube in the field in the glass. 14 generated a tremendous amount of heat, and field in the field in the glass. 15 And, again, the heat source is the heat 16 And, again, the heat source is the heat | and it nd it held |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 12 A. We placed the vacuum tube in the source is of the Fresnel lens optics focal point a 14 generated a tremendous amount of heat, ar 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed | and it nd it held |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 17 by the process heat developed by the solar collector, 12 A. We placed the vacuum tube in the field in the glass. And 12 A. We placed the vacuum tube in the field in the glass. And 13 the of the Fresnel lens optics focal point and the interval of the field in the glass. And 14 generated a tremendous amount of heat, and the interval of the field in the glass. And 15 And, again, the heat source is the heat 16 Q. When did you perform these tests in the glass. And 17 vacuum tube system? | and it nd it held with the |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 17 by the process heat developed by the solar collector, 18 which is the process heat that you could also use 12 A. We placed the vacuum tube in the field is the process heat that you could also use 12 A. We placed the vacuum tube in the field is the process heat that you could also use 12 A. We placed the vacuum tube in the field is the process heat developed by the solar collector, 13 the of the Fresnel lens optics focal point and the integration of the solar collector, 14 generated a tremendous amount of heat, and the integration of the solar collector, 14 generated a tremendous amount of heat, and the integration of the solar collector, 14 generated a tremendous amount of heat, and the process heat developed by the solar collector, 15 And, again, the heat solar collector, 16 Q. When did you perform these tests of the process heat that you could also use 18 A. Over the past six months we've we have the process heat that you could also use | and it nd it held with the ve've |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 17 by the process heat developed by the solar collector, 18 which is the process heat that you could also use 12 A. We placed the vacuum tube in the field is the process heat that you could also use 12 A. We placed the vacuum tube in the field is the process heat that you could also use 12 A. We placed the vacuum tube in the field is the process heat developed by the solar collector, 13 the of the Fresnel lens optics focal point and the integration of the solar collector, 14 generated a tremendous amount of heat, and the integration of the solar collector, 14 generated a tremendous amount of heat, and the integration of the solar collector, 14 generated a tremendous amount of heat, and the process heat developed by the solar collector, 15 And, again, the heat solar collector, 16 Q. When did you perform these tests of the process heat that you could also use 18 A. Over the past six months we've we have the process heat that you could also use | and it nd it held with the ve've rious |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 17 by the process heat developed by the solar collector, 18 which is the process heat that you could also use 19 if you wanted to, you could use a fire of any kind 12 A. We placed the vacuum tube in the first and cost-effective system. 13 the of the Fresnel lens optics focal point and the solution of heat, and the solution of heat, and the solution of heat and the soluti | and it nd it held with the ve've rious t will |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 17 by the process heat developed by the solar collector, 18 which is the process heat that you could also use 19 if you wanted to, you could use a fire of any kind 20 and heat the same the same thing using 12 A. We placed the vacuum tube in the first and cost-effective system. 13 the of the Fresnel lens optics focal point and the same the same thing using 12 A. We placed the vacuum tube in the first and cost-effective system. 13 the of the Fresnel lens optics focal point and the same the same thing using 14 generated a tremendous amount of heat, and the same the same thing using 12 A. We placed the vacuum tube in the first and cost-effective system. 13 the of the Fresnel lens optics focal point and the same the same thing using 14 generated a tremendous amount of heat, and the same the same thing using 15 that heat for almost a full day. 16 Q. When did you perform these tests of the same the same thing using 18 A. Over the past six months we've with the same the same thing using 19 conducted several several tests using variable. 20 fluids, various types of heat exchangers that and the same the same thing using | and it nd it held with the ve've rious t will a |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 17 by the process heat developed by the solar collector, 18 which is the process heat that you could also use 19 if you wanted to, you could use a fire of any kind 20 and heat the same the same thing using 21 hydrocarbons. | and it nd it held with the ve've rious t will a ctually |
| 12 coils of copper with sandwiched in the glass. And 13 we've decided that probably is going to be the most 14 efficient and cost-effective system. 15 And, again, the heat source is the heat 16 source that heats that solar collector is developed 17 by the process heat developed by the solar collector, 18 which is the process heat that you could also use 19 if you wanted to, you could use a fire of any kind 20 and heat the same the same thing using 21 hydrocarbons. 22 Q. So are you talking about the vacuum tube | and it nd it held with the ve've rious t will a ctually ie fluid. |

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|----------------------|--|----------------------------|---|
| 1 | temperature that the pressure on the on the oil | 1 | Q. When did you first start testing the |
| 2 | broke the glass tube. | 2 | vacuum tube system? |
| 3 | We then decided that we would use a molten | 3 | A. About six months ago. Six to eight months |
| 4 | salt, which does not have any vapor pressure. And | 4 | ago. |
| 5 | then we used a collector system to put oil through | 5 | Q. So the only testing that you've done with |
| 6 | the the the molten salt to collect the heat. | 6 | the vacuum tube system has been in the past six to |
| 7 | And that worked very well. And the that's been | 7 | eight months? |
| 8 | over the past six months. But since that time we've | 8 | A. That's correct. |
| 9 | decided that I wanted to change into a more | 9 | Q. What about the solar receiver similar to |
| 10 | economical way of producing a receiver for the for | 10 | the type used with parabolic lens collectors, when |
| 11 | the solar conduct concentrated system. | 11 | did you start testing that receiver? |
| 12 | Q. Mr. Johnson, you said that you had | 12 | A. About two or three years ago. |
| 13 | collected data for the past six months? | 13 | Q. And where, if at all, is the data that you |
| 14 | A. Yes. | 14 | kept from those tests? |
| 15 | Q. Did you have any data for testing of the | 15 | A. I did not keep any. |
| 16 | vacuum system before the past six months? | 16 | Q. When you say you didn't keep any, do you |
| 17 | A. Only what we had online. And we validated | 17 | mean you sent the data to Mr. Nelson? |
| 18 | that their that their equipment was accurate. | 18 | A. No, I don't think I even kept any. We |
| 19 | Q. What do you mean, "online"? | 19 | decided that it was not practical. |
| 20 | A. It was a company that made those. We | 20 | Q. How long did you test the second type of |
| 21 | validated that their system did, in fact, produce | 21 | solar receiver before you decided it was not |
| 22 | we weren't sure of the temperature that their they | 22 | practical? |
| 23 | didn't indicate what temperatures their glass | 23 | A. Oh, a period of maybe three months. |
| 24 | tubes or what kinds of pressures that their glass | 24 | Q. What was wrong with this one? |
| 25 | tubes would encase. And so we had to re we had to | 25 | A. The biggest concern we had was because of |
| | Page 158 | | Page 160 |
| 1 | make our own determination of whether or not we could | 1 | the way the piping had to be placed, there was a gap |
| 2 | use their glass tubes or we would have to develop our | | between the actual light and the receivers, and it |
| | own glass tubes using a better glass than what they | | was creating a problem for us to get the efficiencies |
| | had, because their temperatures were only between 124 | | from the system. The same the same thing applies |
| | degrees and 154 degrees. And so we needed to know | | to the system being used in the in the parabolic |
| 6 | whether or not that glass would would take the | 6 | mirror system, where you have a a problem with the |
| 7 | temperatures and operate within the temperature | 7 | light coming on an angle that's different from a |
| 8 | limits of our system. | 8 | 90-degree angle. The the glass itself becomes |
| 9 | And it didn't. And so what happened is, | 9 | a a refractory creates a retractive angle and |
| 10 | is even though the second demonstration, using molten | 10 | moves the energy around the pipe rather than through |
| 11 | salt, did, in fact, work, it the the the | 11 | it. And that's the biggest problem that the the |
| 12 | actual glass become plastic, because of the | 12 | parabolic mirrors have, is that same system. And |
| 13 | temperatures reached, and we felt like that it | 13 | we've decided that because of the gap that was |
| 14 | would be dangerous then to have something like that | 14 | required and the angles that the light could |
| 15 | in operation where it may become plastic and then | 15 | penetrate into the receiver would would actually |
| 16 | slip out of its its proper place and maybe cause | 16 | refract around the system and not produce the not |
| 17 | | | de l'an de la companya de la companya de la companya |
| 40 | some harm. | 17 | deliver the energy in the proper place. |
| 18 | some harm. So that was the biggest reason why we | 17 18 | Q. So, Mr. Johnson, around when did you |
| | | | |
| 19 | So that was the biggest reason why we | 18 | Q. So, Mr. Johnson, around when did you |
| 19 20 | So that was the biggest reason why we decided that probably that wouldn't be the best | 18 19 | Q. So, Mr. Johnson, around when did you reject the second type of solar receiver for use in |
| 19 20 21 | So that was the biggest reason why we decided that probably that wouldn't be the best system. In fact, that's when we decided that we | 18 19 20 21 | Q. So, Mr. Johnson, around when did you reject the second type of solar receiver for use in your system? |
| 19 20 21 22 | So that was the biggest reason why we decided that probably that wouldn't be the best system. In fact, that's when we decided that we would move toward the other system that we had | 18 19 20 21 22 | Q. So, Mr. Johnson, around when did you reject the second type of solar receiver for use in your system?A. It was it was several years ago. We |
| 19 20 21 22 | So that was the biggest reason why we decided that probably that wouldn't be the best system. In fact, that's when we decided that we would move toward the other system that we had available to us. This system we had available to us | 18 19 20 21 22 | Q. So, Mr. Johnson, around when did you reject the second type of solar receiver for use in your system? A. It was it was several years ago. We just had it around for this length of time. We |

| 1 | Page 161 Q. So the third type of receiver that you | 1 | Page 163 |
|--|---|--|---|
| 1 | | | this exact exchanger, but similar. The ones we've been testing for the past ten years or |
| 3 | describe is on page 17 of your report, correct? A. Okay. | 3 | Q. Sir, I'm asking about this. In your |
| 4 | Q. So the second sentence of the only full | - | report, this third type of solar receiver. |
| 5 | paragraph on that page says, "This heat exchanger is | 4 5 | A. No, it's been tested in it was firstly, |
| | created by using three layers of glass enclosing a | | like I said, doing mathematical models. |
| | container with a coiled piping system." | 7 | Secondly, then it was tested in the inside |
| 8 | Is that right? | | to make sure that the heat the transfer fluid |
| 9 | A. Correct. | | would transfer through the system economically, with |
| 10 | Q. And when did you start testing with this | | the with the least amount of restrictions placed |
| - | third type of solar receiver? | | upon it, to use the least amount of energy and still |
| 12 | | | get the same heat transfer. |
| | was has been in the development process for over | 13 | We were using a different heat source |
| | eight eight or nine years, this is the first one | | other than the solar heat source to to heat the |
| | we used. We used a variety we used a a similar | | |
| 1 | system in Mesquite in 2005. | | system to see what kind of heat exchange would take place within the piping, the size, the area, the |
| 10 | | | space of the total area of the heat exchangers. And |
| | that was generated by testing this third type of | | then by doing that we were able then to create the |
| 1 | solar receiver? | | heat exchanger in the proper dimensions and the |
| 20 | A. Again, I don't keep the data. If I feel | | proper sizing of the pipe in order to get the least |
| | like there is a patent that might be applicable to | | amount of restrictions. |
| 1 | it, we then I turn it over to Dave. If not, I | 22 | Then we then we placed the glass over |
| | just I just get rid of it. I usually put it | | the heat exchangers, and then we determined how the |
| | through a what do you call it? Anyway, I destroy | | heat loss was from the from the manufacturer's |
| | the data. | | heat specs on their on their new glass that they |
| | | 20 | |
| | Page 162 | | Page 164 |
| 1 | | | |
| | Q. Do you believe you've sent any data from | | gave us, and we figured those from mathematically |
| 2 | the testing of this third type of solar receiver to | 2 | using the trans what do you call it? The trans |
| 2 3 | the testing of this third type of solar receiver to Mr. Nelson? | 2 3 | using the trans what do you call it? The trans heat transfer coefficients and see whether those heat |
| 2 3 4 | the testing of this third type of solar receiver to Mr. Nelson? A. I don't believe I have, but I don't really | 2 3 4 | using the trans what do you call it? The trans heat transfer coefficients and see whether those heat transfer coefficients were accurate, and then what |
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| 2 3 4 5 6 | the testing of this third type of solar receiver toMr. Nelson?A. I don't believe I have, but I don't reallyknow. We do have pictures of it, though. We havewe have pictures of it being in use. | 2 3 4 5 6 | using the trans what do you call it? The trans heat transfer coefficients and see whether those heat transfer coefficients were accurate, and then what kind of insulations we could use around that that would substitute for that and get |
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|--|--|--|--|
| 1 | solar receiver out on a tower? | 1 | |
| 2 | A. Yes. | 2 | A. Right. |
| 3 | Q. When? | 3 | Q the first time you tested it was two |
| 4 | A. Two weeks ago we placed it in the tower | 4 | weeks ago, correct? |
| 5 | and we have a video of it. And it has, in fact, | 5 | , |
| 6 | produced the same amount of efficiencies that we | 6 | the difference is is glass, yes. We have tested |
| | that we gain in our in our mathematical models as | 7 | it with glass but not this type of glass. |
| | well as the the actual testing using the high | 8 | |
| | temperature, high high temperature light and | 9 | the test two weeks ago? |
| | and so we we did that. | 10 | |
| 11 | And we also showed | 11 | |
| 12 | Q. Okay, stop, stop. | 12 | • |
| 13 | Had you ever, before two weeks ago, tested | 13 | |
| | this third type of solar receiver on a tower? | 14 | 5 |
| 15 | A. We had tested similar models | | ago, was the receiver then connected to any tubes or |
| 16 | Q. Sir | | other piping to move the heat transfer fluid anywhere |
| 17 | A but not this exact. | | other than the receiver? |
| 18 | Q listen to my question | 18 | , |
| 19 | A. Okay. | | obviously, and went into a heat exchanger too so we |
| 20 | Q and answer my question. | | could measure the temperatures of the fluid. But, |
| 21 | A. Okay. | | no, it didn't get to the turbine, if that's what |
| 22 | Q. Please read it back. | | you're saying. It got to a different a different |
| 23 | (Record was read as follows: "Had you | | place. We were able to transfer heat from that fluid |
| 24 | ever, before two weeks ago, tested this third | | into another fluid. If that's what you are saying, |
| 25 | type of solar receiver on a tower?") | 25 | then, yeah, we did that. |
| | Page 166 | | Page 168 |
| 4 | - | | - |
| 1 | A. The only difference between this tower | 1 | Q. What heat transfer fluid did you use? |
| 2 | A. The only difference between this towerQ. Sir | 2 | Q. What heat transfer fluid did you use?A. We used an oil that the specifications are |
| 2 3 | A. The only difference between this towerQ. SirA and the last tower is | 2 3 | Q. What heat transfer fluid did you use?A. We used an oil that the specifications are that it has a has an ignition point of 750 |
| 2 3 4 | A. The only difference between this towerQ. SirA and the last tower isQ. Yes or no? | 2 3 4 | Q. What heat transfer fluid did you use?A. We used an oil that the specifications are that it has a has an ignition point of 750 degrees. |
| 2 3 4 5 | A. The only difference between this tower Q. Sir A and the last tower is Q. Yes or no? A. Okay. No. We haven't tested this one | 2 3 4 5 | Q. What heat transfer fluid did you use? A. We used an oil that the specifications are that it has a has an ignition point of 750 degrees. Q. What oil? |
| 2 3 4 5 6 | A. The only difference between this tower Q. Sir A and the last tower is Q. Yes or no? A. Okay. No. We haven't tested this one because we only got the glass the special glass | 2 3 4 5 6 | Q. What heat transfer fluid did you use? A. We used an oil that the specifications are that it has a has an ignition point of 750 degrees. Q. What oil? A. It's a special oil that that's used for |
| 2 3 4 5 6 7 | A. The only difference between this tower Q. Sir A and the last tower is Q. Yes or no? A. Okay. No. We haven't tested this one because we only got the glass the special glass to to mai to maintain the temperature. And | 2 3 4 5 6 7 | Q. What heat transfer fluid did you use? A. We used an oil that the specifications are that it has a has an ignition point of 750 degrees. Q. What oil? A. It's a special oil that that's used for solar energy fields. |
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| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 | A. The only difference between this tower Q. Sir A and the last tower is Q. Yes or no? A. Okay. No. We haven't tested this one because we only got the glass the special glass to to mai to maintain the temperature. And that was the reason why we went to this, is we finally found a glass that would operate Q. Stop, sir. A with the temperatures. Q. Stop. A. But similar we did the glass we have used glass Q. Mr. Johnson A glass panes in the Q stop. I'm not I'm not interested in A but not this glass pane. Q in the glass. A. Okay. Well, that's the only difference. Q. Okay. | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 | Q. What heat transfer fluid did you use? A. We used an oil that the specifications are that it has a has an ignition point of 750 degrees. Q. What oil? A. It's a special oil that that's used for solar energy fields. Q. Who produces it? A. I think Exxon does. I'm not positive, though. I think it's an Exxon product. Q. Do you know the brand name? A. No, I don't. It's it's on the it's on the container that it came in, though. Q. Do you keep track of what the temperature of the oil was inside the receiver? A. Yes, we did. Q. How did you do that? A. With a thermometer. Q. You had a thermometer inside the receiver? A. Yes. Q. What was the temperature? A. It was right around 800 800 to |

| | Dogo 160 | | Doro 171 |
|--|---|--|--|
| 1 | Page 169 Q. Sir, say again. | 1 | Page 171 receiver |
| 2 | A. It blew all the it got so hot that it | 2 | A. Correct. |
| 3 | blew all the oil out of it, evaporated it. Caused it | 3 | Q in the receiver's aperture, which is |
| | to go into a vapor. | 1 | · · · · · |
| 5 | Q. Doesn't sound like a very successful test | 5 | A. Correct. |
| | to me. | 6 | Q. How big is the receiver itself? What are |
| 7 | A. Sounds like a perfect test to me. | | its dimensions? |
| 8 | Q. So it's successful when components blow | 8 | A. It's two feet by two feet. |
| 9 | up? | 9 | Q. Turn your attention, please, to |
| 10 | A. Well, all we were doing is just testing | 1 | Plaintiff's Exhibit 644, Dr. Mancini's report on |
| 1 | where the point is of how fast you have to maintain | | page 24. Is the receiver that we've been talking |
| | the fluid in order to keep the fluid below that | | about the picture that we see in image 5(c)? |
| | critical temperature point. We wanted to see what | 13 | |
| | temperatures it would reach, and then we can | 14 | coils. |
| | calculate from that how fast the fluid has to go, the | 15 | Q. Take a look at 5(c), please. |
| | specific heat of the oil and how and how fast the | 16 | A. 5(c) is the vacuum tubes the evacuated |
| | fluid has to be transported. And then if something | 17 | tubes. |
| | breaks, what is required to have a have a position | n18 | Q. So where do those go? |
| | where it would flash and and the vapor pressure | 19 | A. They were just used for testing. I don't |
| | would expand into a safe area without causing any | 20 | use them. |
| | damages. | 21 | Q. Oh. So those vacuum tubes in 5(c) are the |
| 22 | Q. Mr. Johnson, what's the aperture size of | 22 | vacuum tube system that we discussed as your firs |
| 23 | the solar receiver? | 23 | option for a solar receiver? |
| 24 | A. About six inches, something like that. | 24 | • |
| 25 | Six to eight inches. | 25 | just we were looking for a better a better |
| | | | |
| | Page 170 | | Page 172 |
| 1 | Page 170 Q. Six inches square? | 1 | Page 172 glass |
| 1 | - | 1 2 | |
| | Q. Six inches square? | 2 | glass |
| 2 | Q. Six inches square?A. No, it's round. Six to eight inches. | 2 3 | glass Q. Stop, Mr. Johnson. I just want to |
| 2 3 | Q. Six inches square?A. No, it's round. Six to eight inches.Oh, the the size of the receiver? | 2 3 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look |
| 2 3 4 | Q. Six inches square?A. No, it's round. Six to eight inches. Oh, the the size of the receiver?Q. The size of the aperture in the receiver. | 2 3 4 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 |
| 2 3 4 5 6 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. | 2 3 4 5 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. |
| 2 3 4 5 6 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a | 2 3 4 5 6 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. |
| 2 3 4 5 6 7 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? | 2 3 4 5 6 7 8 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube |
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| 2 3 4 5 6 7 8 9 10 11 12 13 14 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal | 2 3 4 5 6 7 8 9 10 11 12 13 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. Q. Well, sir, I believe what you are | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of your report the same thing that we see in 5(c) of |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. Q. Well, sir, I believe what you are describing is the solar image. | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of your report the same thing that we see in 5(c) of Dr. Mancini's report? |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. Q. Well, sir, I believe what you are describing is the solar image. A. Exactly. | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of your report the same thing that we see in 5(c) of Dr. Mancini's report? A. Correct, but that's not the one you're |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. Q. Well, sir, I believe what you are describing is the solar image. A. Exactly. Q. Yes, so the solar image | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of your report the same thing that we see in 5(c) of Dr. Mancini's report? A. Correct, but that's not the one you're talking about. |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. Q. Well, sir, I believe what you are describing is the solar image. A. Exactly. Q. Yes, so the solar image A. About six inches. | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of your report the same thing that we see in 5(c) of Dr. Mancini's report? A. Correct, but that's not the one you're talking about. Q. I understand that. |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. Q. Well, sir, I believe what you are describing is the solar image. A. Exactly. Q. Yes, so the solar image A. About six inches. Q of the concentrated solar radiation | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of your report the same thing that we see in 5(c) of Dr. Mancini's report? A. Correct, but that's not the one you're talking about. Q. I understand that. A. Okay. |
| 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | Q. Six inches square? A. No, it's round. Six to eight inches. Oh, the the size of the receiver? Q. The size of the aperture in the receiver. A. Well, that's two feet by two feet. Q. The aperture of the receiver, so that's a square? A. Uh-huh (affirmative). Q. Yes? A. Yes. Q. So what is six to eight inches in diameter? A. That's the focal point of the the focal point where the major light the energy is is concentrated at is the focal point. That that would be the aperture of the lens itself. Q. Well, sir, I believe what you are describing is the solar image. A. Exactly. Q. Yes, so the solar image A. About six inches. Q of the concentrated solar radiation from the Fresnel lens array is six to eight inches? | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | glass Q. Stop, Mr. Johnson. I just want to understand what we're looking for. And if you look back at your report on page 16. Page 16 A. Okay. Q of Plaintiff's Exhibit 643. A. Okay. Q. You say here, "The first is a vacuum tube system." Do you see that? A. That was just a reference to that first what I'm going to explain. Q. I understand that. A. It isn't the first one I'm using. Q. I understand that, sir. But is the vacuum tube system that you identify on page 16 of 26 of your report the same thing that we see in 5(c) of Dr. Mancini's report? A. Correct, but that's not the one you're talking about. Q. I understand that. A. Okay. Q. I understand that. |

| 1 | Page 173 is that the image in 5(a) of Dr. Mancini's report, | 1 | Page 175 source of data to support your assertion that the |
|--|---|--|--|
| | Plaintiff's Exhibit 644, is the third type of solar | | |
| | receiver that you address in your report. | 2 | receiver is approximately 95 percent heat absorbent. |
| | A. Except for the type of glass we use. | | A. Right. |
| 4 | | 4 | Q. And you talked about actual measurements |
| 5 | Q. Mr. Johnson, please take a look at page 18 | | of the device. |
| | of your report, which is Plaintiff's Exhibit 643. | 6 | A. Right. |
| 7 | A. Okay. | 7 | Q. Okay. |
| 8 | Q. The there is a paragraph that started | 8 | A. Both of which are reproducible by anybody. |
| | on the previous page and continues on this page. | 9 | Q. Any other source of data to support your |
| 10 | Do you see that? | | assertion that the solar receiver is approximately |
| 11 | A. Okay. | | • |
| 12 | Q. The last two sentences oh, and let me | 12 | A. I don't have any idea how else you would |
| | check this with you first. This paragraph is still | | test it. |
| 1 | talking about the third type of solar receiver in | 14 | Q. Did you keep the results of your |
| | your report, right? | | mathematical modeling? |
| 16 | A. Correct. | 16 | A. Oh, probably some, but I don't it's |
| 17 | Q. The last two sentences of this paragraph | | like I said, I don't I don't normally keep them, |
| 1 | say, "This system is approximately 95 percent heat | 18 | so I don't know. |
| 19 8 | absorbent." | 19 | Q. Did you keep it or not? |
| 20 | A. Okay. | 20 | A. It may still be around. I'm still not |
| 21 | Q. "It retains between 95 to 98 of the | 21 | through with it, so it possibly would still be around |
| 22 | heat" excuse me "95 to 98 percent of the heat | 22 | in one of my folders, but it's just done recently. |
| 23 | put into the system and loses a minimal amount of | 23 | It won't be for very long, so |
| 24 | heat." | 24 | Q. So you're planning to destroy it soon? |
| 25 | A. Right. | 25 | A. I do, yes. |
| | | | |
| | Page 174 | | Page 176 |
| 1 | Page 174 Q. Did I read those sentences correctly? | 1 | Page 176 Q. Uh-huh. Where, if at all, are you keeping |
| 1 | - | - | |
| | Q. Did I read those sentences correctly? | 2 | Q. Uh-huh. Where, if at all, are you keeping |
| 2 3 | Q. Did I read those sentences correctly?A. Yes. | 2 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of |
| 2 3 4 t | Q. Did I read those sentences correctly?A. Yes.Q. What, if any, data do you have to support | 2 3 4 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? |
| 2 3 4 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? | 2 3 4 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device?A. I don't keep those. Again, I don't keep that kind of information. |
| 2 3 4 t 5 a 6 | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable | 2 3 4 5 6 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device?A. I don't keep those. Again, I don't keep that kind of information.Q. What kind of tools do you use to measure |
| 2 3 4 t 5 a 6 7 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? | 2 3 4 5 6 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? |
| 2 3 4 t 5 a 6 7 t 8 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and | 2 3 4 5 6 7 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? |
| 2 3 4 t 5 a 6 7 t 8 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. | 2 3 4 5 6 7 8 9 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices |
| 2 3 4 t 5 a 6 7 t 8 t 9 d 10 | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done | 2 3 4 5 6 7 8 9 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices Q. Are those installed on the inside of these |
| 2 3 4 t 5 a 6 7 t 8 t 9 d 10 11 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that | 2 3 4 5 6 7 8 9 10 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices Q. Are those installed on the inside of these A. Some are on the inside; some are outside. |
| 2 3 4 t 5 a 6 7 t 8 t 9 d 10 11 t 12 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of | 2 3 4 5 6 7 8 9 10 11 12 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. |
| 2 3 4 t 5 a 6 7 t 8 t 9 d 10 11 t 12 t 13 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, | 2 3 4 5 6 7 8 9 10 11 12 13 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices. Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. |
| 2 3 4 t 5 a 6 7 t 9 d 10 11 t 12 t 13 t 14 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. | 2 3 4 5 6 7 8 9 10 11 12 13 14 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices. Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed |
| 2 3 4 t 5 a 6 7 t 9 d 10 11 t 12 t 13 t 14 t 15 | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices. Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? |
| 2 3 4 t 5 a 6 7 t 8 t 9 d 10 11 t 12 t 13 t 13 t 14 t 15 16 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual measurement of the device for a period of, say, one | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices. Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? A. Yes. |
| 2 3 4 t 5 a 6 7 t 9 d 10 11 t 12 t 13 t 14 t 15 16 t 17 t | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual measurement of the device for a period of, say, one hour, and it retained its heat between 95 and | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices. Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? A. Yes. Q. And some are on the outside? |
| 2 3 4 t 5 a 6 7 t 8 t 9 d 10 11 t 12 t 13 t 13 t 14 t 15 16 t 17 t 18 s | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual measurement of the device for a period of, say, one hour, and it retained its heat between 95 and 90 percent of the system. So that would make it so | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices. Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? A. Yes. Q. And some are on the outside? |
| 2 3 4 t 5 a 6 7 t 8 t 9 d 10 11 t 12 t 13 t 13 t 14 t 15 16 t 17 t 18 s 19 i | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual measurement of the device for a period of, say, one hour, and it retained its heat between 95 and 90 percent of the system. So that would make it so it would be possible, even if the system moves | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? A. Yes. Q. And some are on the outside? A. Correct. Q. How were the thermometers connected |
| 2 3 4 t 5 a 6 7 t 9 d 10 11 t 12 t 13 t 14 t 15 16 t 17 t 18 s 19 i 20 s | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual measurement of the device for a period of, say, one hour, and it retained its heat between 95 and 90 percent of the system. So that would make it so it would be possible, even if the system moves slightly, and even got out of out of focus | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? A. Yes. Q. And some are on the outside? A. Correct. Q. How were the thermometers connected back let me withdraw that question. |
| 2 3 4 t 5 a 6 7 k 9 d 10 11 t 12 t 13 t 14 k 15 16 t 17 k 18 s 19 i 20 s 21 | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual measurement of the device for a period of, say, one hour, and it retained its heat between 95 and 90 percent of the system. So that would make it so it would be possible, even if the system moves slightly, and even got out of out of focus Q. Stop, sir. | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? A. Yes. Q. And some are on the outside? A. Correct. Q. How were the thermometers connected back let me withdraw that question. |
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| 2 3 4 t 5 a 6 7 t 8 t 9 c 10 11 t 12 t 13 t 13 t 14 t 15 t 14 t 15 t 16 t 17 t 18 s 20 s 21 22 23 | Q. Did I read those sentences correctly? A. Yes. Q. What, if any, data do you have to support the first sentence, that the solar receiver is approximately 95 percent heat absorbent? A. That's that's mathematically provable by the by the by the material that we used and the heat condition heat trans heat transfer co coefficients to define those characteristics. So that this, when it was done mathematically, to start with, to demonstrate that the that the material itself was capable of of retaining at least that much, and possibly more, because of the heat transfer character coefficients. The second tests were done by an actual measurement of the device for a period of, say, one hour, and it retained its heat between 95 and 90 percent of the system. So that would make it so it would be possible, even if the system moves slightly, and even got out of out of focus Q. Stop, sir. A it would still retain Q. Stop. | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | Q. Uh-huh. Where, if at all, are you keeping any data regarding the actual measurement of temperatures in the device? A. I don't keep those. Again, I don't keep that kind of information. Q. What kind of tools do you use to measure the temperature in the device? A. Electronic temperature measuring devices. Q. Are those installed on the inside of these A. Some are on the inside; some are outside. Q. Let me finish the question. A. Oh, sorry. Q. So some of the thermometers are installed on the inside of the inside of the receiver; yes? A. Yes. Q. And some are on the outside? A. Correct. Q. How were the thermometers connected back let me withdraw that question. How are the thermometers on the inside of the solar receiver connected back to a place where you can read the temperature? |
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| | Page 177 | | Page 179 |
|--|--|---|---|
| 1 | Q. Where does that wire end so that you can | 1 | I I just put a T on there and put a |
| 2 | read the temperature? | 2 | temperature measuring device in the T. That's fairly |
| 3 | A. Just goes to the to a place where I can | 3 | common. I don't think that's a I don't think |
| 4 | stand and watch it. If we need to move on it, we | 4 | that's an issue. I think that's the silliest thing |
| 5 | have a lift that we can get up to where the receiver | 5 | I've ever heard. |
| 6 | is and and measure the temperatures right there at | 6 | Q. Have you have you kept track of the |
| 7 | the lift. | 7 | various temperatures you've recorded inside the solar |
| 8 | Q. So is the readout of the temperature | 8 | receiver? |
| 9 | somewhere installed on the outside of the receiver | 9 | A. Not pertinent. I I use it for my own |
| 10 | itself? | 10 | information, but I keep those things where no one |
| 11 | A. It's installed where I can hold it so I | 11 | else can see them. |
| 12 | can look at it. | 12 | (Discussion off the record.) |
| 13 | Q. And what I want to understand is where is | 13 | Q. How do you know, Mr. Johnson, that the |
| 14 | that, like, in physical space. | 14 | receiver loses a minimal amount of heat only? |
| 15 | A. Just wherever I happen to be with with | 15 | A. Well, you can measure the temperature when |
| 16 | the device. And if I use a lift, I use a lift to get | 16 | you're when you're fully when the system is |
| 17 | up to the point where the where the length of the | 17 | fully heated. And then you cap it all off and you |
| 18 | wires are such that I can I can watch the | 18 | don't have any transfer fluid moving. And then the |
| 19 | temperature and still maintain a safe distance | 19 | heat that's captured in that area then will stay |
| 20 | between me and the heat source. It's called a man | 20 | stay there. And as long as your insulation factor on |
| 21 | lift. | 21 | your on your piping is is such that it they |
| 22 | Q. So, Mr. Johnson, you testified about a | 22 | have minimal heat loss on your piping structure, the |
| 23 | thermal insulated wire | 23 | rest of your heat loss then would come from the |
| 24 | A. Uh-huh (affirmative). | 24 | degradation of the heat leaving the area of the of |
| 25 | Q that is inside the receiver. | 25 | the system. And it doesn't. |
| | | | |
| | Page 178 | | Page 180 |
| 1 | Page 178 A. Well, I stick it up the tube. It goes up | 1 | Page 180 Q. Well, and you agree, though, Mr. Johnson, |
| | - | | - |
| 2 | A. Well, I stick it up the tube. It goes up the tube, and I can cap it off and then put oil into it, and I can get a temperature reading on it. | 2 | Q. Well, and you agree, though, Mr. Johnson, |
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| | Page 181 | | Page 183 |
|--|--|--|--|
| 1 | allow the the the tax credits to be given to | 1 | Q. Mr. Johnson, did you talk to anybody about |
| 2 | Ivanpah, which they have no way of insulating that | 2 | the facts of this case on the break? |
| 3 | heat source, and they lost 70 percent of what they | 3 | A. Yeah, I talked to your other attorney. |
| 4 | predicted they were going to get. | 4 | Complained about me to you. |
| 5 | Q. Object to the responsiveness of the | 5 | Q. What did you talk about? |
| 6 | answer. | 6 | A. He yelled at my attorney and told me not |
| 7 | A. And they are going broke. | 7 | to stop yelling at him I mean to stop talking to |
| 8 | Q. Stop, Mr. Johnson. | 8 | him. |
| 9 | A. No, I'm not going to stop. When you ask a | 9 | MR. MORAN: Yes. Mr. Johnson persisted in |
| 10 | question that stupid, then you deserve the answer. | 10 | talking to me about the case. |
| 11 | Q. Would you please read back my question? | 11 | THE WITNESS: I didn't know it was the |
| 12 | (Record was read as follows: "Well, and | 12 | case. I was talking about Ivanpah. |
| 13 | you agree, though, Mr. Johnson, that a it's | 13 | MR. MORAN: I expressed to him and his |
| 14 | important for efficiency of any solar energy | 14 | attorney, who was in the bathroom at the time, that |
| 15 | system that heat losses be minimized, correct?") | 15 | Mr. Johnson needed to cease talking to me without his |
| 16 | A. And I said not according to the IRS. | 16 | attorney present. |
| 17 | Q. Sir, the IRS | 17 | MS. HEALY GALLAGHER: Mr. Snuffer, do you |
| 18 | A. And I demonstrated the proof of that by a | 18 | have anything to add? |
| 19 | fact, that the Ivanpah system and you can go down | 19 | MR. SNUFFER: Yeah, I was in the bathroom, |
| 20 | there right now and fly from here to Salt Lake and go | 20 | and I told him to tell my client to be quiet. |
| 21 | down there and see it. They don't have any | 21 | THE WITNESS: Whereupon he did and I |
| 22 | insulating around their their piping at all that | 22 | almost shut up. I mean, I tried too. Okay. I |
| 23 | receives their heat. | 23 | apologize. Let's go on. |
| 24 | Q. Object to the responsiveness of the | 24 | Q. (BY MS. HEALY GALLAGHER) And I would also |
| 25 | answer. | 25 | ask on the record, Mr. Johnson, that you do not talk |
| | Page 182 | | Page 184 |
| 1 | A. And that's why it's not efficient. | 1 | to any attorney for the United States with your |
| 2 | Q. Stop talking about Ivanpah, Mr. Johnson. | 2 | attorney not present, okay? |
| 2 | A. I am not going to stop talking about | | |
| 3 | 7. Farming to stop taiking about | 3 | A. All right. We won't talk about skiing |
| | Ivanpah. I'm going to talk about it until I die. | | A. All right. We won't talk about skiing anymore. I'm sorry. That's the end of that. I was |
| 4 | | 4 | |
| 4 5 | Ivanpah. I'm going to talk about it until I die. | 4 5 | anymore. I'm sorry. That's the end of that. I was |
| 4 5 | Ivanpah. I'm going to talk about it until I die. That's the stupidest thing I ever heard, and this guy | 4 5 6 | anymore. I'm sorry. That's the end of that. I was trying to be nice and this time I was just trying |
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Case 2:15-cv-00828-DN-EJF Document 250-19 Filed 11/17/17 Page 47 of 89

| 1 | Page 185 Whereupon, we also then have a a glass | 1 | Page 187 Q. Let's take a look, please, towards the |
|--|--|--|--|
| | cover that also then reduces the amount of heat that | | bottom of page 18 of 26 of your report. |
| | can be transported through the glass into the outside | 3 | A. Okay. |
| | environment. This is accomplished by placing two | 4 | Q. In the midst of the first sentence is the |
| | insulated glasses with an insulation of Zeon, which | - | phrase, "IAS is in the final stage of developing a |
| | has a I don't see the coefficient, but it's about | | converter system of concentrated thermal solar energy |
| | .0016 or 64. | | using the Fresnel lens system for a concentrated |
| 8 | | | |
| 9 | | 9 | Do you see that? |
| | cavity into the atmosphere. | 10 | A. Right. |
| 11 | The piping then is totally insulated from | 11 | Q. What, if any, data do you have regarding |
| | the environment which is inside the cavity. | | the CPV system? |
| 13 | | 13 | A. It's in the patents, I think, that have |
| | to the system through the solar energy, the heat will | - | just been issued. |
| | still maintain a will still stay into the into | 15 | Q. Mr. Johnson, what, if any, data do you |
| | the cavity because of the insulative capacities of | | have regarding the CPV system? |
| | the material used to isolate the coils heat coils | 17 | A. Well, I have the patents. |
| | or heat pipes from the outside environment. | 18 | Q. So your answer is the only data you have |
| 19 | • • | | is the patents? |
| 20 | percent out of that. So this is this is | 20 | A. That's the only thing necessary. I have |
| 21 | we're we're obviously a little bit higher. But | 21 | the patents. |
| 22 | so we we have approximately said 95 percent, which | 22 | Q. Okay. So other than the patents, what, if |
| 23 | is actually it is a retains even a higher | 23 | any, data do you have from testing of the CPV system? |
| 24 | amount than 95 percent. | 24 | A. I think the patent has quite a bit of data |
| 25 | Q. And, Mr. Johnson, what, if any data, have | 25 | associated with it. In order to get the patent, it |
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| | Page 186 | | Page 188 |
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| | Page 189 | | Page 191 |
|--|--|--|---|
| 1 | know. I mean it was some time ago. | 1 | of an infringement on someone else's technology or |
| 2 | Q. Do you know if that person is still the | | patents. They have to know that. |
| 3 | | 3 | Q. Why do you think that? |
| 4 | A. I don't know. He's older than I am, so | 4 | A. Because I get the reports on my product. |
| 5 | | 5 | |
| 6 | Q. Do you have any other data besides the | - | are close to it and describe their functions and |
| - | patents and this writing from BYU regarding the CPV | 7 | applications, and see whether or not mine my |
| | system? | 8 | applications or functions are within the realms of |
| 9 | A. We have pictures and we have the layout of | | theirs. And so they would have to understand the |
| 10 | · · · <u>-</u> · · · · · · · · · · · | | difference. If they couldn't, they could not have |
| - | to us. And the design that shows what the test | 11 | |
| | how to set up the test is available. And because of | | theirs. |
| | that, then the whole thing is reproducible. | 13 | Q. Do you think, Mr. Johnson, that the Patent |
| 14 | Q. Okay. And where is that data? | | and Trademark Office engages in testing of the |
| 15 | A. I suppose you have it. I don't know if | | technology that you submit for patents? |
| | you have the drawings. You probably do. Or the | 16 | A. In some aspects you have to you have to |
| | patents. | 17 | |
| 18 | Q. Mr. Johnson, you said a couple things that | 18 | - |
| 19 | make me curious about what your belief is regarding | | |
| | what it means to receive a patent. So when you | 20 | Q. Object to the |
| 21 | | 20 | A. And from that they would have to then |
| | does that mean to you? | | understand how the thing would work. |
| 23 | A. What does it mean to me? | 22 | Q. Object to the responsiveness stop, |
| 23 | Q. Yes. | | Mr. Johnson. |
| 24 | A. It means the patent office has decided | 24 | A. I'm not I'm not going to argue with you |
| 25 | | 25 | |
| 1 | Page 190 | | Page 192 |
| | that this is a VerV linidile and new way of performing | 1 | about the damn natent office |
| | that this is a very unique and new way of performing whatever it is you're getting the patent about and | | about the damn patent office. |
| 2 | whatever it is you're getting the patent about, and | 2 | Q. Mr. Johnson |
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| 1 | Page 193 What I believe about the patent office is my | 1 | Page 195 electronics is a highly developed skill and and |
| | prerogative. And I've had a lot of experience with | | technology, and the mathematics that it represents is |
| | it. And that has been my experience. And I just | | full and highly developed, and it can be reproduced |
| 4 | demonstrated why I believe what I believe. | | mathematically. And from the mathematics, that |
| 5 | Now, if you have some other belief, keep | | circuit works. And if it works mathematically, it |
| | it to yourself, because it doesn't bother me. | | works. And there isn't any question about the fact |
| 7 | Otherwise, get over here. | | if it works mathematically that it will work |
| 8 | Q. Sir, please stop talking so the court | | according to the mathematics that you put together on |
| 9 | reporter | | it. |
| 10 | A. Okay. | 10 | And the patent office understands that |
| 11 | Q can read back my question. | 11 | principle. And so if I developed a circuit that |
| 12 | A. Go ahead. | | claims to do certain things and I explain the |
| 13 | (Record was read as follows: "Do you | | mathematics behind that circuit, that circuit will |
| 14 | think, Mr. Johnson, that the Patent and | | function exactly like the mathematics it defines. |
| | Trademark Office engages in testing of the | | And that's how everything in this country is |
| | technology that you submit for patents?") | | everything in electronics and engineering is built, |
| 17 | A. Yes, they do. Did you know that a a | | from the mathematics. |
| 18 | mathematical formula is considered a test on a | 18 | Q. Do you have any |
| | product? | 19 | A. It's perfect models. |
| 20 | Q. Object to responsiveness of the answer. | 20 | Q. Do you have any other reason to be believe |
| 21 | A. Well, you asked me what I believed and | 21 | that the Patent and Trademark Office is reproducing |
| 22 | why, and I just answered that question, so don't be | 22 | your technology that you submit for a patent and |
| 23 | crossing it out. That was exactly the question you | 23 | determining that the technology works? |
| 24 | just asked. | 24 | A. Look, I've answered that question enough, |
| 25 | Q. Object to the responsiveness | 25 | and I'm not going to get into whether the patent |
| | Dama 404 | | 5 |
| | Page 194 | | Page 196 |
| 1 | A. Then cross out the whole damn question. | 1 | office are smart people or not. I understand that |
| 1 | - | | - |
| | A. Then cross out the whole damn question. | 2 3 | office are smart people or not. I understand that the government employees and government employees you understand what government |
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|--|---|
| Page 197 1 Q. Mr. Johnson, you also just said that if an | Page 199 1 several years? |
| 2 electronics idea works mathematically, then it works | 2 A. No. |
| 3 in the real world. | 3 Q. Turn, please, to page 24 of 26. The last |
| 4 A. That's correct. | 4 paragraph on this page starts or is completely, |
| 5 Q. Do you believe the same is true for | 5 "Lastly, RaPower3 has been selling its system in the |
| 6 principles underlying the transfer of solar radiation | 6 open market for many years." |
| 7 from the sun through a system to a turbine to produce | 7 Did I read that correctly? |
| 8 electricity? | 8 A. Correct. |
| 9 A. Yes. It's a mathematical certainty. | 9 Q. In this sentence, "system" also means |
| 10 There is no question about it. We've we've | 10 lens, correct? |
| 11 operated our whole our whole intellectual property | 11 A. Correct. |
| 12 rights on that very foundation. | 12 Q. Mr. Johnson, why use system in these two |
| 13 Q. Is there any circumstance where real-world | 13 places when what you mean is lens? |
| 14 conditions might interfere with that perfect | 14 A. Because the lenses are a system. They are |
| 15 mathematical precision and operation? | 15 a system to concentrate solar energy. And by that |
| 16 A. It depends on the technology that has been | 16 definition they are a complete system. The lens |
| 17 fully developed. But there is no question about the | 17 angles on every curve is a component of the of the |
| 18 fact that Fresnel lenses the mathematics on | 18 lens and the and the total the total curves on |
| 19 Fresnel lenses have fully worked. | 19 that real lens system makes up the total system. |
| 20 None of them have been challenged in any | 20 There are millions there is thousands of |
| 21 kind of a physics potential and said anything that | 21 components in a Fresnel lens system, and those |
| 22 they don't work. Neither has anybody else been able | 22 components are derived from a mathematical formula |
| 23 to challenge the Fresnel lens laws of physics, that | 23 that spaces them differently as they go toward the |
| 24 there are certain laws that will bend light. If that | 24 outer curvature of the lens itself. That creates a |
| 25 light bends, they the prism the prism effect on | 25 system of components built into a system called a |
| Page 198 | Page 200 |
| 1 lenses have been well documented throughout history. | 1 Fresnel lens. Those lenses are prisms. And they |
| 2 They've never been challenged, never been disproven, | 2 follow the same laws of physics that every other |
| 3 and the mathematics that define those have never been | 3 prism system does. And if you can define the prism |
| 4 shown that they are without any without any way of | 4 system and the coefficient that's based upon the |
| 5 saying that they don't work. | 5 material which it goes through, you can then predict |
| | |
| 6 If you make a model that represents that | 6 the curvature and how much how much that will |
| 7 Fresnel lens with the mathematics that it defines, it | 6 the curvature and how much how much that will7 curve that lens array as it passes through that |
| 7 Fresnel lens with the mathematics that it defines, it8 will work, and that my system does work. And it has | 6 the curvature and how much how much that will 7 curve that lens array as it passes through that 8 particular particular system that particular |
| 7 Fresnel lens with the mathematics that it defines, it8 will work, and that my system does work. And it has9 been proven it works. And and so we could go back | 6 the curvature and how much how much that will 7 curve that lens array as it passes through that 8 particular particular system that particular 9 what do you call it? I'm getting tired. I am |
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| 7 Fresnel lens with the mathematics that it defines, it 8 will work, and that my system does work. And it has 9 been proven it works. And and so we could go back 10 and say, yeah, we proved it we proved that Fresnel 11 was accurate. If that's what you want to hear, fine, 12 I don't care, but that's a fact. 13 Q. Mr. Johnson, please turn to page 23 of 26 14 of your report, Plaintiffs Exhibit 423. 15 A. Okay. 16 Q. Let's see. I'm looking at the last full 17 paragraph on this page. And the first sentence 18 starts, "The IAS system has been selling for several 19 years." 20 Do you see that? 21 A. Yes. 22 Q. By "IAS system," do you mean your Fresnel 23 lens lenses? | 6 the curvature and how much how much that will 7 curve that lens array as it passes through that 8 particular particular system that particular 9 what do you call it? I'm getting tired. I am 10 forgetting what I'm talking about. 11 The prism. And it's it's mathe it's 12 a mathematical certainty that the lens the light 13 waves at that particular frequency will curve at this 14 angle, and they will spread mathematically according 15 to the wave length of each of the light source 16 that goes through it, and that's where you get a 17 spread in a prism. And that prism then creates a 18 small if you design it properly, you will get, 19 then, a small portion of the lens to scatter down at 20 the focal point based upon the coefficients of of 21 the system itself. So that creates a system. 22 (EXHIBIT 645 WAS MARKED.) 23 Q. Mr. Johnson, you've been handed what's |
| 7 Fresnel lens with the mathematics that it defines, it 8 will work, and that my system does work. And it has 9 been proven it works. And and so we could go back 10 and say, yeah, we proved it we proved that Fresnel 11 was accurate. If that's what you want to hear, fine, 12 I don't care, but that's a fact. 13 Q. Mr. Johnson, please turn to page 23 of 26 14 of your report, Plaintiffs Exhibit 423. 15 A. Okay. 16 Q. Let's see. I'm looking at the last full 17 paragraph on this page. And the first sentence 18 starts, "The IAS system has been selling for several 19 years." 20 Do you see that? 21 A. Yes. 22 Q. By "IAS system," do you mean your Fresnel | 6 the curvature and how much how much that will 7 curve that lens array as it passes through that 8 particular particular system that particular 9 what do you call it? I'm getting tired. I am 10 forgetting what I'm talking about. 11 The prism. And it's it's mathe it's 12 a mathematical certainty that the lens the light 13 waves at that particular frequency will curve at this 14 angle, and they will spread mathematically according 15 to the wave length of each of the light source 16 that goes through it, and that's where you get a 17 spread in a prism. And that prism then creates a 18 small if you design it properly, you will get, 19 then, a small portion of the lens to scatter down at 20 the focal point based upon the coefficients of of 21 the system itself. So that creates a system. 22 (EXHIBIT 645 WAS MARKED.) |

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| 1 | ۸ | Page 201 Okay. | 1 | A. | Page 203 Correct. |
|----------|----------|---|----|--------------|---|
| 1 | A. Q. | Do you recognize Plaintiff's Exhibit 645? | 2 | А. Q. | From International Automated Systems? |
| 3 | Q. A. | Yes, I do. | 3 | Q. A. | Correct. |
| 4 | Q. | What is it? | 4 | А. Q. | And the first three checks are to you, |
| | Q. A. | It's a transformer. | | | And the first three checks are to you, |
| 5 | А. Q. | And this transformer is at the back of the | 5 | right? A. | Yes. |
| 7 | | on the construction site, correct? | 7 | Q. | All from February 25th, 2005. |
| 8 | A. | Correct. | 8 | Q. A. | Okay. |
| 9 | Q. | And when I say "this," I'm talking about | 9 | Q. | Yes? |
| | | t page of Plaintiff's Exhibit 645. | 10 | Q. A. | Yes. |
| 11 | A. | Okay. | 11 | | (EXHIBIT647 WASMARKED.) |
| 12 | | Right? | 12 | Q. | Mr. Johnson, you've been handed what's |
| 13 | | Okay. | 1 | | arked Plaintiff's Exhibit 647. For the record, |
| 14 | | The second page of Plaintiff's Exhibit 645 | 1 | | es number is Zions_Bank-000396. |
| | | abel on that transformer, correct? | 15 | A. | Okay. |
| 16 | | Okay. | 16 | | Do you recognize Plaintiff's Exhibit 647? |
| 17 | | Is that right? | 17 | Q. A. | Well, I know what it is. I mean, it's a |
| 18 | а. А. | Correct. | | check. | Wen, Fichow What it is: Fiftedin, it's a |
| 19 | Q. | And you see, Mr. Johnson, the time and | 19 | Q. | It's a check from International Automated |
| 20 | | amp on each of these screenshots? | 1 | | s, Inc., correct? |
| 21 | A. | Okay. | 21 | A. | That's correct. |
| 22 | Q. | It's April 4, 2017, right? | 22 | Q. | To the NP Johnson Family Limited |
| 23 | | Okay. | 1 | | ship, right? |
| 24 | | Yes? | 24 | A. | Correct. |
| 25 | | Yes. | 25 | Q. | And that limited partnership was owned by |
| | | | | | |
| 1 | 0 | Page 202 Is Plaintiff's Exhibit 645 a true and | 1 | you and | Page 204 members of your immediate family, right? |
| | | e representation of what was visible on our | 2 | - | Correct. |
| | | on April 4, 2017? | 3 | | And this check is dated January 27, 2012, |
| 4 | | I believe it to be so. | 1 | right? | , and and onlook to dated balldary 11, 2012, |
| 5 | Q. | Mr. Johnson, do you recall the first date | 5 | | Correct. |
| - | | purchased lenses from Plaskolite? | 6 | | International Automated Systems has also |
| 7 | | I don't. It was a long time ago. | 7 | | ney to members of your family, right? |
| 8 | | Mr. Johnson, you own a portion of | 8 | • | I think they paid wages to some members, |
| | | ional Automated Systems, correct? | 1 | | e members they've reimbursed for activities |
| 10 | | Correct. | 1 | | 've done for the company. |
| 11 | Q. | And, Mr. Johnson, at least in the past, | 11 | | EXHIBIT 648 WAS MARKED.) |
| | | ional Automated Systems has paid you money, | 12 | | I'm handing you what's been marked |
| | correct? | | 1 | | s Exhibit 648, Bates-marked |
| 14 | Α. | Well, they may have paid me a little bit | | | mericanFork-000195. |
| 15 | | y. Not much. | 15 | Ν | /Ir. Johnson, Plaintiff's Exhibit 648 has |
| 16 | (| EXHIBIT 646 WASMARKED.) | 16 | | cks on it, correct? |
| 17 | | I'm showing you, Mr. Johnson, what's been | 17 | Α. | Yes, uh-huh. |
| 18 | marked | Plaintiff's Exhibit 646. | 18 | Q. | The second check is to LaGrand Johnson. |
| 19 | Α. | Okay. | 19 | Do you s | see that? |
| 20 | | Do you recognize Plaintiff's Exhibit 646? | 20 | - | Uh-huh (affirmative). |
| 21 | | Correct. | 21 | | Yes? |
| 22 | Q. | Yes? | 22 | Α. | Yes. |
| 23 | Α. | Yes. | 23 | Q. | From International Automated Systems, |
| 24 | Q. | The first it's a series of checks, | 24 | dated Ja | nuary 17, 2005, right? |
| 25 | correct? | | 25 | Α. | Correct. |
| <u> </u> | | | - | | |

| | Page 205 | | Doco 207 |
|---|---|---|--|
| 1 | Q. And below that is a check to | 1 | Page 207 family limited partnership probably did something for |
| 2 | | | them, so they got paid. It's in the it's a public |
| 3 | A. Yes. | | company, and there's public accounting records of it. |
| 4 | Q. From International Automated Systems? | | I do not know what it is, but I'm sure there's a |
| 5 | A. Correct. | 5 | there's a receipt for it somewhere. I wouldn't know |
| 6 | Q. LaGrand Johnson is your son? | 6 | where it is, but that's what it would be. |
| 7 | A. Correct. | 7 | I'm sure if we did anything illegal, I'm |
| 8 | Q. Do you know, Mr. Johnson, what other | 8 | sure that we would have been caught by now. We |
| 9 | source of income LaGrand Johnson had in 2005? | 9 | don't we don't break the law. Never have. |
| 10 | A. In 2005? | 10 | (EXHIBIT 649 WAS MARKED.) |
| 11 | Q. Yes. | 11 | Q. I'm handing you what's been marked |
| 12 | A. Well, he's a doctor too, and so he could | 12 | Plaintiff's Exhibit 649, Bates number WF-001470. |
| 13 | be practicing some medicine at that time. But I | 13 | () |
| 14 | think that he did get paid from International | 14 | Q. Mr. Johnson, Plaintiff's Exhibit 649 is a |
| 15 | Automated Systems for keeping track of the books and | 15 | check from Cobblestone Center to the Howard County |
| 16 | things. | 16 | Tax Office. |
| 17 | Q. Uh-huh. is LaGrand Johnson a practicing | 17 | |
| | doctor now? | 18 | |
| 19 | A. He does when he wants to. He does it when | 19 | |
| | he wants to, so | | And then it says, "For Johnson NP Family Limited |
| 21 | Q. Does he have an office a medical | 21 | |
| | office? | 22 | |
| 23 | A. No, not right now, but he has had. | 23 | |
| 24 | Q. When is the last time he had a medical office? | 24 25 | |
| 25 | | 25 | 5 |
| 1 | Page 206 A. Well, the last time he I don't know | 1 | Page 208 Q. Why was Cobblestone Center paying |
| | I don't know. I have no idea, but he's a licensed | | something for the NP Johnson Family Limited |
| | doctor so he makes he can make money he worked | | Partnership? |
| | for the government one time. The government hired | 4 | MR. SNUFFER: You know, I |
| | him for to be a some kind of a doctor for them. | 5 | THE WITNESS: Without going |
| 6 | Q. What, if any, employment does | 6 | MR. SNUFFER: Hold on, hold on. I've been |
| | Randy Johnson have currently? | - | |
| 8 | | | patient, and I'm trying to get this over with, but I |
| | A. None. | | patient, and I'm trying to get this over with, but I don't see how any of this relates to the expert |
| 9 | A. None. Q. None? | 8 | patient, and I'm trying to get this over with, but I don't see how any of this relates to the expert report, expert opinion. I think this is the sort of |
| | | 8 9 | don't see how any of this relates to the expert |
| 9 10 | Q. None?A. He works for the company. He works he | 8 9 10 | don't see how any of this relates to the expert report, expert opinion. I think this is the sort of |
| 9 10 | Q. None?A. He works for the company. He works he did work for International Automated Systems. | 8 9 10 | don't see how any of this relates to the expert report, expert opinion. I think this is the sort of thing that ought to have been asked before, during |
| 9 10 11 12 | Q. None?A. He works for the company. He works he did work for International Automated Systems. | 8 9 10 11 | don't see how any of this relates to the expert report, expert opinion. I think this is the sort of thing that ought to have been asked before, during one of the prior depositions. |
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| 1 | Page 209 IAS. | 1 | Page 211 |
|--|--|--|--|
| 2 | | 1 | Q. And, Mr. Johnson |
| | asked me a question. | 2 | A. So there you go.Q my question is, why is Cobblestone |
| 4 | THE WITNESS: I'm sorry. I didn't I | - | Center making a payment to a county tax office that |
| | didn't mean to interrupt. | | has anything to do with the NP Johnson Family Limited |
| 6 | · | | Partnership? |
| | I thought it was a fair question when you asked | 7 | A. That has nothing to do with me owning or |
| | him it was back here when you asked him about | | bias. All it has to do with, whether or not I have |
| | his ownership. He owns part of IAS, and he's | | the right to write a check. I have the right to |
| 1 | acknowledged that IAS has paid a little, but not a | | write a check to whoever I choose to because of my |
| | lot, to him. And I even thought it was fair to use | | position as manager of Cobblestone Center. |
| | Exhibit 646. But we're now into something called | 12 | I do not have to account to that check to |
| | Cobblestone Center, and we're talking about a tax | | you unless you can show a relevance to my being |
| | office, and I don't know how that shows bias. | | biased or something to do with my expert testimony. |
| 15 | | 15 | Q. Objection to the responsiveness of the |
| 16 | welcome to make relevance objections. I would like | 16 | answer. |
| | an answer to my question from Mr. Johnson. | 17 | Would you please read it back? |
| 18 | MR. SNUFFER: My objection is not to | 18 | A. The fact is I don't know what the check is |
| 19 | relevance; it's to the scope of the deposition for | 19 | for. I'd I'd have to go back and look anyway. I |
| 20 | which we've produced this witness here today to talk | 20 | don't know what that is for. It might be that we |
| 21 | about his report, and I can see no connection. I can | 21 | Q. Stop. |
| 22 | see no probable connection at all between Cobblestone | 22 | A. We have a little |
| 23 | paying a tax bill and bias. | 23 | Q. Stop. Stop. Stop. Please let the court |
| 24 | If you want to impeach his testimony in | 24 | reporter search back in this transcript. |
| 25 | his expert report because he has an ownership | 25 | A. I think I do know what that's for. I |
| | Page 210 | | Dama 040 |
| | | | Page 212 |
| | interest in AIS, I think that's fair. | | don't know for sure, but I |
| 2 | interest in AIS, I think that's fair. MS. HEALY GALLAGHER: Mr. Snuffer, do you | 2 | don't know for sure, but I MR. HEALY GALLAGHER: Mr. Snuffer, you're |
| 2 3 | interest in AIS, I think that's fair. MS. HEALY GALLAGHER: Mr. Snuffer, do you know how Cobblestone Center is involved in this whole | 2 3 | don't know for sure, but I MR. HEALY GALLAGHER: Mr. Snuffer, you're the one who wants to get out of here. |
| 2 3 4 | interest in AIS, I think that's fair. MS. HEALY GALLAGHER: Mr. Snuffer, do you know how Cobblestone Center is involved in this whole situation? | 2 3 4 | don't know for sure, but I MR. HEALY GALLAGHER: Mr. Snuffer, you're the one who wants to get out of here. MR. SNUFFER: Yeah, I am. |
| 2 3 4 5 | interest in AIS, I think that's fair. MS. HEALY GALLAGHER: Mr. Snuffer, do you know how Cobblestone Center is involved in this whole situation? MR. SNUFFER: No clue. | 2 3 4 5 | don't know for sure, but I MR. HEALY GALLAGHER: Mr. Snuffer, you're the one who wants to get out of here. MR. SNUFFER: Yeah, I am. THE WITNESS: I don't care. I can sleep |
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| | Page 213 | | Page 215 |
|----------------------------------|---|----------------------------------|---|
| 1 | to a county tax office that has anything to do | | do I think that a payment to Randy Johnson for |
| 2 | • | | commission or anything has any reflection of bias |
| 3 | • • | | related to an expert report for which today's |
| 4 | MR. SNUFFER: To which I object because | 4 | deposition was scheduled. |
| | it's beyond the scope of the deposition scheduled for | 5 | Q. (BY MS. HEALY GALLAGHER) Mr. Johnson, |
| 6 | today. | 6 | what is this commission for from Cobblestone Center? |
| 7 | | 7 | · · · · · · · · · · · · · · · · · · · |
| | of it and you think it relates to your bias, you can | 1 | to my accountants for all of that. I you'd have |
| 9 | | 1 | to see the what the background is on it. I don't |
| 10 | MS. HEALY GALLAGHER: I object to that | | have it. |
| | instruction. | 11 | Q. Well, is Cobblestone Center a sales |
| 12 | | 1 | entity? |
| 13 | | 13 | 5 |
| | a clue. I don't even know what the I've never | 1 | Cobblestone does or doesn't do is Cobblestone's |
| | seen the check before. So I don't even know what it | 1 | prerogative, according to the bylaws, and it can sell |
| | is. Whether it's relevant or whether it's not | 1 | product if it chooses to. |
| | relevant, I wouldn't know. | 17 | · · · · · · · · · · · · · · · · · · · |
| 18 | 31 1 | 1 | Cobblestone Center; isn't that right? |
| | all of that nonsense for me. | 19 | A. That is correct. |
| 20 | Did I say the same thing about the judge? | 20 | Q. So what, if anything, does Cobblestone |
| | Where does the judge get his paycheck from? | | center sell? |
| 22 | | 22 | , 0 |
| | question. | 1 | not in here today in his capacity as a manager of |
| 24 | , 5 | | Cobblestone to be deposed about anything related to |
| 25 | you are looking at bias | 25 | the business of Cobblestone. He's here today to |
| | Page 214 | | Page 216 |
| 1 | MRS. JOHNSON: Neldon. | | testify about an expert report that he prepared. |
| 2 | MR. SNUFFER: I'm just saying, they are | 2 | THE WITNESS: They sell pipe. |
| 3 | | 3 | Q. (BY MS. HEALY GALLAGHER) I'm sorry, what |
| 4 | MRS. JOHNSON: Neldon, stop. You are | | did you say? |
| | tired. Stop. | 5 | A. They could have sold pipe. I don't know. |
| 6 | THE WITNESS: I'm just saying. Okay. | 6 | MRS. JOHNSON: Neldon, stop. |
| 7 | | | THE WITNESS: He knows. I asked he |
| 8 | Cobblestone Center also makes payments to your son, LaGrand Johnson, correct? | | asked I have to answer the question. Anyway. But I do not know what it's about. I don't know what |
| 10 | A. Correct. He works for the company. | | it's for. I would I would have to go to the |
| 11 | Q. Cobblestone Center makes payments to | 1 | accountants and find out. If it's pertinent to the |
| | Randy Johnson, correct? | | case, I will; if it's not, I won't. |
| 13 | A. Correct. They work for the company. | 13 | Q. (BY MS. HEALY GALLAGHER) \$30,000 is a big |
| 14 | (EXHIBIT 650 WASMARKED.) | | check, sir. You don't know what that's for? |
| 15 | Q. Mr. Johnson, you've been handed what's | 15 | A. \$30,000 to an employee of his quality |
| 16 | been marked Plaintiff's Exhibit 650. 650 is | | isn't very much, according to other people. Your |
| - | WF-001219. This exhibit is a check from Cobblestone | | your wages are much probably higher than his. So if |
| | | 1 | you want to go by that, then I don't know how you |
| 18 | Center to Randy Johnson, correct? | 18 | you want to go by that, those i don't thow how you |
| 18 | Center to Randy Johnson, correct? A. Yes. | 1 | |
| | - | 1 | would do that. So your wages is a big check, so, |
| 19 | A. Yes. | 19 20 | would do that. So your wages is a big check, so, |
| 19 20 | A. Yes. Q. For \$30,000? | 19 20 | would do that. So your wages is a big check, so, okay. So how he gets paid and what he gets paid for |
| 19 20 21 22 | A. Yes.Q. For \$30,000?A. Correct. | 19 20 21 | would do that. So your wages is a big check, so, okay. So how he gets paid and what he gets paid for is not part of the case. |
| 19 20 21 22 | A. Yes. Q. For \$30,000? A. Correct. Q. And the memo says, "Commission for July 1, | 19 20 21 22 23 | would do that. So your wages is a big check, so, okay. So how he gets paid and what he gets paid for is not part of the case. Q. But you don't know what that check's for? |
| 19 20 21 22 23 24 | A. Yes. Q. For \$30,000? A. Correct. Q. And the memo says, "Commission for July 1, 2014, to December 31, 2014," correct? | 19 20 21 22 23 24 | would do that. So your wages is a big check, so, okay. So how he gets paid and what he gets paid for is not part of the case.Q. But you don't know what that check's for?A. Near a hundred thousand dollars a month |

| | Page 217 | | Page 219 |
|---|--|---|--|
| | accounting firms that go over it, make sure that | | kinds of things. |
| | everything is being taken care of appropriately and | 2 | Q. Object to the responsiveness of the |
| | sometimes, you know, they make mistakes. We and | | answer. |
| | sometimes accounting firms make mistakes. In fact, | 4 | Would you please read back my question? |
| 5 | they did at IAS, and it cost me a lot of money, okay? | 5 | (Record was read as follows: "And XSun |
| 6 | Q. What mistakes | 6 | Energy writes checks to your family members |
| 7 | A. But I do not | 7 | too.") |
| 8 | Q did they make for IAS? | 8 | THE WITNESS: Will you object to that |
| 9 | A. But I do not but I do not go back into | 9 | again? |
| | it. If they make a mistake in the accounting of my | 10 | MR. SNUFFER: Well, yeah. It's not |
| | companies, then I have to pay then I pay penalties | | related to the purpose we're here for a deposition |
| 12 | for those mistakes. But I personally do not do the | 12 | today, the ex the expert report prepared by Neldon |
| 13 | accounting, but I still review the accounting and see | 13 | Johnson. |
| 14 | that most things that come to my attention are | 14 | Can you anchor it somewhere in the report, |
| 15 | properly accounted for. | 15 | somewhere in what he's written? Because I don't see |
| 16 | Q. What mistakes did the accountants make | | the connection. We will stipulate that members of |
| 17 | with IAS's books? | 17 | the Neldon Johnson family get paid to do work for |
| 18 | A. I don't know. It's been a long time ago. | 18 | IAS, RaPower, XSun Energy, Cobblestone Center. |
| 19 | They have made mistakes, and we've had to correct | 19 | There's no question the family works and incurs costs |
| 20 | them on our accounting. And that is expensive. To | 20 | and gets paid for their work and gets reimbursed for |
| 21 | make that correction is expensive. | 21 | their costs. And and that's that's unrelated |
| 22 | Q. Mr. Johnson, RaPower3 pays members of your | 22 | to his report. |
| 23 | family as well, correct? | 23 | Q. (BY MS. HEALY GALLAGHER) And, in fact, |
| 24 | A. It's fine. It's legally, do it. If | 24 | Mr. Johnson, if this injunction case is successful |
| 25 | it's if you have a problem with it, then take it | 25 | and shuts down the sale of lenses from RaPower3, your |
| | Page 218 | | Page 220 |
| 1 | up with someone else. | 1 | family will be cut off from a major income source, |
| 2 | Q. That's correct, isn't it? | 2 | won't it? |
| 3 | | | |
| | A. It's correct, yes. | 3 | A. No, that's it hasn't been profitable. |
| 4 | A. It's correct, yes.Q. RaPower3 writes checks to Glenda Johnson, | 3 | |
| | | 3 4 | A. No, that's it hasn't been profitable. I can make money other places. We have a lot of patents. So I don't think we're we're not too |
| | Q. RaPower3 writes checks to Glenda Johnson, right? | 3 4 5 | I can make money other places. We have a lot of patents. So I don't think we're we're not too |
| 5 6 | Q. RaPower3 writes checks to Glenda Johnson, right? | 3 4 5 6 | I can make money other places. We have a lot of |
| 5 6 7 | Q. RaPower3 writes checks to Glenda Johnson,right?A. Yes. She works she does all the | 3 4 5 6 7 | I can make money other places. We have a lot of patents. So I don't think we're we're not too afraid of whether or not you win or whether you lose. We have sales overseas and other products that we |
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| 5 6 7 8 | Q. RaPower3 writes checks to Glenda Johnson, right? A. Yes. She works she does all the booking. You see her you see her signatures on the bottom of those checks. | 3 4 5 6 7 8 9 | I can make money other places. We have a lot of patents. So I don't think we're we're not too afraid of whether or not you win or whether you lose. We have sales overseas and other products that we have. And we're making deals all the time with other |
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| | Dogo 221 | | Dogo 202 |
|--|--|--|--|
| 1 | Page 221 Q. How did you change the marketing of the | 1 | Page 223 the public without having been convicted of anything. |
| | solar lenses? | | But it still it still interrupts my way of selling |
| 3 | MR. SNUFFER: Objection. It's not related | | the product. We've had to adjust, and we have. We |
| 4 | to your expert opinion. | | are making less money. Well, we're making more |
| 5 | THE WITNESS: That's right; it's not | | money, actually. I didn't make any money on the |
| - | related. | | other way. So it helped. So good. I'm glad. I'm |
| | | | , , <u>,</u> |
| 7 | MR. SNUFFER: But go ahead and answer if | | glad you did what you did. |
| | you can. | 8 | Q. And what did you change the price to? |
| 9 | THE WITNESS: I don't know. I just | 9 | A. Six we changed it from a down payment |
| | decided to change. I just thought it was a better | | of 1,050 down to 650. |
| | business model and would create a better way to | 11 | Q. Okay. But the total price still, sir, is |
| | market the product. | | \$3,500, correct? |
| 13 | Q. (BY MS. HEALY GALLAGHER) Are you talking | | A. That's correct. We haven't changed that. |
| | about no longer promoting depreciation as part of the | 14 | , , , |
| 15 | package? | | down payment? |
| 16 | A. I never did promote depreciation as part | 16 | A. Correct. Which is a considerable amount |
| | of the package. | | of money loss to me, personally. |
| 18 | Q. So you think you changed the marketing but | 18 | Q. Did you change anything else about how you |
| | you don't know how? | 19 | |
| 20 | A. People can still take depreciation if they | 20 | A. We don't do the bonus program anymore. |
| 21 | buy it correctly. | 21 | That was that was just to do the to do |
| 22 | Q. Sir | 22 | something to do with the so I could so I could |
| 23 | A. It's nothing to do with me. | 23 | get the R&D done. So that's all that was for. |
| 24 | Q. Object to the responsiveness. | 24 | Q. Any other changes? |
| 25 | Please read back my question. | 25 | A. I don't know. I there might be some |
| | | | |
| | Page 222 | | Page 224 |
| 1 | Page 222 A. Well, you accuse me of floating a | 1 | Page 224 minor things in there, but I don't know what they |
| | - | | - |
| 2 | A. Well, you accuse me of floating a | | minor things in there, but I don't know what they |
| 2 3 | A. Well, you accuse me of floating a depreciation, and I'm saying I never did. The | 2 | minor things in there, but I don't know what they would be. |
| 2 3 4 | A. Well, you accuse me of floating a depreciation, and I'm saying I never did. The statement was a statement. It wasn't a question. It | 2 3 | minor things in there, but I don't know what they would be.Q. Between ourA. Without having the contract here, I don't |
| 2 3 4 | A. Well, you accuse me of floating a depreciation, and I'm saying I never did. The statement was a statement. It wasn't a question. It was saying, did you promote depreciation, and I said | 2 3 4 | minor things in there, but I don't know what they would be.Q. Between ourA. Without having the contract here, I don't |
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| | Page 225 | | Page 227 |
|--|---|--|--|
| 1 | appeal it, and we will be here for two more years, | 1 | Q. (BY MR. SNUFFER) Could anybody? |
| 2 | and I don't really care. | 2 | MS. HEALY GALLAGHER: Mr. Johnson, you |
| 3 | Q. Mr. Johnson, since July 1st, which was our | 3 | need to stop and let me make my objection so that the |
| 4 | last deposition, have you been arrested at all? | 4 | court reporter is not taking two people at once. |
| 5 | MR. SNUFFER: That's a fair question | 5 | THE WITNESS: Sorry. |
| 6 | because it goes to impeachment. An impeachment is | 6 | Q. (BY MR. SNUFFER) Could anyone measure the |
| 7 | true relevant even in an expert witness | 7 | Fresnel lens's ability to produce heat? |
| 8 | THE WITNESS: Most most of the time I'm | 8 | MS. HEALY GALLAGHER: Objection. Leading. |
| 9 | pretty easy to get along with, and I try to be very | 9 | THE WITNESS: Yes. |
| 10 | nice. And I hardly ever yell at a police officer. | 10 | Q. (BY MR. SNUFFER) If they made the |
| 11 | MR. SNUFFER: But you haven't been | 11 | measurement of the lens's ability to produce heat, |
| 12 | arrested since then? | 12 | would they achieve the same result or get the same |
| 13 | THE WITNESS: No, I haven't been arrested. | 13 | result as you did? |
| 14 | Q. (BY MS. HEALY GALLAGHER) Since July 1st | 14 | MS. HEALY GALLAGHER: Objection. Leading. |
| 15 | of this year have you been convicted of any crimes? | 15 | THE WITNESS: Yes. |
| 16 | A. No. | 16 | Q. (BY MR. SNUFFER) Can anyone measure the |
| 17 | MS. HEALY GALLAGHER: At this time I will | 17 | flow rate? |
| 18 | pass the witness. | 18 | MS. HEALY GALLAGHER: Objection. Leading. |
| 19 | EXAMINATION | 19 | THE WITNESS: Yes. |
| 20 | BY MR. SNUFFER: | 20 | Q. (BY MR. SNUFFER) If they measured it, |
| 21 | Q. I just want to clarify a couple of points. | 21 | would they get the same result as you got? |
| 22 | You may have covered this with statements that you | 22 | MS. HEALY GALLAGHER: Objection. Leading. |
| | made, but I wanted to make sure. | 23 | THE WITNESS: Yes. |
| 24 | Could Mr. Mancini have performed tests and | 24 | Q. (BY MR. SNUFFER) Can anyone read the |
| 25 | determined what the heat transfer performance of the | 25 | fluid specifications? |
| | Page 226 | | |
| | | | Pade 228 |
| 1 | - | 1 | Page 228 MS. HEALY GALLAGHER: Objection. Leading. |
| | IAS system was? | 1 2 | MS. HEALY GALLAGHER: Objection. Leading. |
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| 2 3 4 | IAS system was? A. If he was qualified in his area of expertise he could have if he was a qualified person and an expert in his particular field that | 2 3 | MS. HEALY GALLAGHER: Objection. Leading. THE WITNESS: Yes. Q. (BY MR. SNUFFER) Does the manufacturer provide the fluid specifications? |
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| | Page 229 | 1 | REPORTER'S CERTIFICATE | Page 231 |
|--|--|--|--|----------|
| 1 | THE WITNESS: Yes. | 2 | STATE OF UTAH) | |
| 2 | Q. (BY MR. SNUFFER) Did Mr. Mancini ask to | 3 |) ss. | |
| 3 | perform any of those tests on your system? | 4 5 | COUNTY OF SALT LAKE) | |
| 4 | MS. HEALY GALLAGHER: Objection. Leading. | 6 | I, Dawn M. Perry, Certified Shorthand | |
| 5 | THE WITNESS: No. | | Reporter and Notary Public in and for the State of Utah, do hereby certify: | |
| 6 | Q. (BY MR. SNUFFER) As far as you know, did | 9 | Otari, do hereby certify. | |
| 7 | Mr. Mancini perform any of the tests on your system? | 10 | That prior to being examined, the witness, | |
| 8 | MS. HEALY GALLAGHER: Objection. Leading. | | NELDON JOHNSON, was by me duly sworn to tell the truth, the whole truth, and nothing but the truth; | |
| 9 | THE WITNESS: No. | 13 | | |
| 10 | Q. (BY MR. SNUFFER) You testified that | 11 | That said deposition was taken down by me | |
| | that you had not paid any money to anyone for the use | 14 | in stenotype on October 3, 2017, at the place therein named, and was thereafter transcribed and that a true | |
| 12 | of the IAS system. Do you recall that? | 15 | and correct transcription of said testimony is set | |
| 13 | A. Yes. | 16 | forth in the preceding pages. | |
| 14 | Q. With respect to the Salem U-Check store | | I further certify that, in accordance with | |
| | use for three months of the generator to power the | 17 | Rule 30(e), a request having been made to review the transcript, a reading copy was sent to Denver C. | |
| | store, was anything paid? | 18 | Snuffer, Attorney at Law, for the witness to read and | |
| 17 | A. Yes. | 40 | sign under penalty of perjury and then return to me | |
| 18 | Q. Did you forget that when you testified | 19 | for filing with Erin Healy Gallagher, Attorney at Law. | |
| | earlier? | 20 | | |
| 20 | MS. HEALY GALLAGHER: Objection. Leading. | 21 | I further certify that I am not kin or otherwise associated with any of the parties to said | |
| 21 | THE WITNESS: No, I I'm here on behalf | 21 | cause of action and that I am not interested in the | |
| | of myself, and I personally did not pay anybody. As | 22 | outcome thereof. | |
| | a manager of one of the companies or the CEO of one | 23 | WITNESS MY HAND this 16th day of October, 2017. | |
| | of the companies, there was money paid, but not as | 24 | Dawn M. Perry, CSR | |
| 25 | myself personally, as referenced in this deposition | 25 | | |
| | | | | |
| | Page 230 | | | Page 232 |
| | that I at the beginning of the deposition I made | 1 | | Page 232 |
| 2 | that I at the beginning of the deposition I made it clear that I was only going to answer questions or | 1 2 | ACKNOWLEDGMENT OF DEPONENT | Page 232 |
| 2 3 | that I at the beginning of the deposition I made it clear that I was only going to answer questions or be responsible for things that I have personally done | 2 3 | ACKNOWLEDGMENT OF DEPONENT | Page 232 |
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