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1	UNITED STATES OF) AMERICA,) Deposition of:	4	Examination by Mr. Snuffer 225	
4		5		
5	Plaintiff,) NELDON JOHNSON	6	* * *	
)	7		
6	vs.)	8	EXHIBITS	
7	/ RAPOWER3, LLC,) Case No. 2:15-cv-00828 DN	9	NO. DESCRIPTION PAGE	
'	INTERNATIONAL)	10		
	AUTOMATED SYSTEMS,) Judge David Nuffer	11	Exhibit 643 Expert Report of Neldon Johnson 9	
	INC., LTB1, LLC, R.)	12	Exhibit 644 IAS Solar Dish Technology Evaluation 20	
	GREGORY SHEPARD,) NELDON JOHNSON and)	13	by Thomas R. Mancini, PhD	
	ROGER FREEBORN,)	14	Exhibit 645 Photographs 200	
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14	Defendant.)	16	Exhibit 647 Check to NP Johnson Family Limited 203	3
15 16		17	Partnership for \$3,933.47	
17		18	Exhibit 648 Checks 204	
18	October 3, 2017 * 9:10 a.m.		Exhibit 649 Check to Howard County Tax Office 207	·
19		20	for \$2,227.57	
20	Location: United States Attorney's Office		Exhibit 650 Check to Randy Johnson for \$30,000 214	4
21 22	111 South Main Street, Suite 1800 Salt Lake City, Utah	22		
23	Carl Lake Oky, Olan	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
	entered an appearance just yet.		answers.
3	MS. HEALY GALLAGHER: Okay.	3	Do you understand that obligation?
4	MR. SNUFFER: All right.	4	
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.
10	is Ms. Glenda Johnson.	10	Q. Sometimes it will happen that you will
11	Q. All right. This deposition will be	11	give an answer as completely as you can but then
12	governed by the Federal Rules of Civil Procedure and	12	later in the deposition you may remember additional
13	the local rules of the District of Utah.	13	information or be able to clarify something about
14	I believe for today all exhibits will be	14	your previous answer. When that occurs, if it
15	marked and kept by the court reporter.	15	occurs, please tell me that there is something you
16	MR. MORAN: Yes.	16	would like to add or clarify about an earlier answer
17	MS. HEALY GALLAGHER: Any other	17	and we will take care of that right away.
18	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.
20	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.	21	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	-
25	A. Okay.	25	
-	5		
	Dama 0		David
1	Page 6	1	Page 8 will ask that you complete your answer first and then
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.
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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.	2	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	4	Q. The second sentence at the start of the
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	•	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		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.		available, and there's a lot of technology that is
15	Q. Okay. So as part of your expert report		associated with the various ways that that
	you attached well, here, I can just hand it to		interact with computer systems.
	you. We'll just do it right now.	17	Q. Well, let's start with this. What is the
18	(EXHIBIT643 WASMARKED.)		self-check system?
19	Q. Mr. Johnson, you've been handed what's	19	A. You've seen those self-checkouts in
	been marked Plaintiff's Exhibit 643.		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	51
23	A. I do.	23	Q. At grocery stores there is the option to
24	Q. Is this the expert report of		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
2 3 4	States in this case? A. I did. Q. If you look at page 26 of 26 of the report	2 3 4	 A. That's correct, yeah. Q. And then there is the option to do self-checkout A. That's correct.
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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.
9 10 11 12 13	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 technologies that are associated with a particular	9 10 11 12 13	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. Q. I'm not interested in what could be a part
9 10 11 12 13 14	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 technologies that are associated with a particular type of energy system, but not all-inclusive. This	9 10 11 12 13 14	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. Q. I'm not interested in what could be a part of the system. I'm not interested in what you might
9 10 11 12 13 14 15	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 technologies that are associated with a particular type of energy system, but not all-inclusive. This is just the just the minimal amount of the system	9 10 11 12 13 14 15	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. Q. I'm not interested in what could be a part of the system. I'm not interested in what you might imagine could someday be part of the system. What
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	Dogo 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			not to identify the total system, but only those
4		1	portion of the system that were relative to the
5		5	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
8	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		12	about he described a system that he saw on a
13			couple of site visits to Delta, Utah; isn't that
14			right?
15		15	-
16		16	system that is developed down in the Delta, Utah,
1	perspective, okay, the IAS system is the total system		area; that is correct.
	of all the components that are possibly available to	18	Q. Right, and thank you for clarifying that.
1	us to use in producing energy, including the limited	1	
	system that we use are currently in the process of	20	
1	using, but not limited to those items. The system	21	Q. He didn't see a whole system working,
1	itself includes all of the products that are	1	correct?
1	available and have been produced or in patent	23	A. No, he saw the whole system working as far
	pendings.	1	as the the solar energy production system. He has
25			not seen this there's two different components.
	Page 18		Page 20
1	talking about the energy system, that would include	1	There's the solar energy system, and then there's the
1	the lenses, all of the components that describe the		solar energy then there's the energy IAS system.
1	lenses, all of the components that comprise where the		He has seen
1	system is located, including the towers, the metal	4	Q. I'm going to
1	structures, including the piping, including the	5	A. He has seen the entire he has saw the
1	hydraulic system, but not limited to the hydraulic	6	solar energy system working, both producing
	system. That system can change according to the	1	electricity and producing heat.
1	things that we may have available to us later at	8	
			Q. And let me let me be clear. So what he
1 3	some later time that we identify in some of our	9	Q. And let me let me be clear. So what he saw and, in fact, let's just mark his we'll go
	•	1	
	some later time that we identify in some of our patent pendings. Also, we have a turbine system that we	1	saw and, in fact, let's just mark his we'll go
10 11	patent pendings. Also, we have a turbine system that we	10	saw and, in fact, let's just mark his we'll go next. (EXHIBIT644 WASMARKED.)
10 11 12	patent pendings. Also, we have a turbine system that we have developed, but it's not limited to the use of	10 11 12	saw and, in fact, let's just mark his we'll go next. (EXHIBIT 644 WASMARKED.) Q. Mr. Johnson, you've been handed
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10 11 12 13 14 15 16 17 18 19 20 21	patent pendings. Also, we have a turbine system that we have developed, but it's not limited to the use of the turbine system. Other systems can be used, such as the systems to reconcentrate sulfuric acid or reconcentrate some other some other item to to heat or or or use the system to heat a structure such as a greenhouse. A system that could operate the with within all the confines of heat relative to heat or any kind of other energy production, including we have two patent pendings three patent pendings in the area of nuclear fu	10 11 12 13 14 15 16 17 18 19 20 21	saw and, in fact, let's just mark his we'll go next. (EXHIBIT 644 WASMARKED.) Q. Mr. Johnson, you've been handed Plaintiff's Exhibit 644. Do you recognize Plaintiff's Exhibit 644? A. I do. Q. It is the expert report of Dr. Thomas Mancini, correct? A. Correct. Q. So in Dr. Mancini's report, among the components he saw were solar Fresnel lenses, correct? A. That's correct.
10 11 12 13 14 15 16 17 18 19 20 21 22	patent pendings. Also, we have a turbine system that we have developed, but it's not limited to the use of the turbine system. Other systems can be used, such as the systems to reconcentrate sulfuric acid or reconcentrate some other some other item to to heat or or or use the system to heat a structure such as a greenhouse. A system that could operate the with within all the confines of heat relative to heat or any kind of other energy production, including we have two patent pendings three patent pendings in the area of nuclear fu fissure reactors and one or two patent pendings in	10 11 12 13 14 15 16 17 18 19 20 21 22	saw and, in fact, let's just mark his we'll go next. (EXHIBIT 644 WASMARKED.) Q. Mr. Johnson, you've been handed Plaintiff's Exhibit 644. Do you recognize Plaintiff's Exhibit 644? A. I do. Q. It is the expert report of Dr. Thomas Mancini, correct? A. Correct. Q. So in Dr. Mancini's report, among the components he saw were solar Fresnel lenses, correct? A. That's correct. Q. They were installed in towers, correct?
10 11 12 13 14 15 16 17 18 19 20 21 22 23	patent pendings. Also, we have a turbine system that we have developed, but it's not limited to the use of the turbine system. Other systems can be used, such as the systems to reconcentrate sulfuric acid or reconcentrate some other some other item to to heat or or or use the system to heat a structure such as a greenhouse. A system that could operate the with within all the confines of heat relative to heat or any kind of other energy production, including we have two patent pendings three patent pendings in the area of nuclear fu	10 11 12 13 14 15 16 17 18 19 20 21	saw and, in fact, let's just mark his we'll go next. (EXHIBIT 644 WAS MARKED.) Q. Mr. Johnson, you've been handed Plaintiff's Exhibit 644. Do you recognize Plaintiff's Exhibit 644? A. I do. Q. It is the expert report of Dr. Thomas Mancini, correct? A. Correct. Q. So in Dr. Mancini's report, among the components he saw were solar Fresnel lenses, correct? A. That's correct. Q. They were installed in towers, correct?

4	Page 21	1	Page 23
	concentrates that heat, that is a system, correct?	-	Mr. Johnson, in looking through your
2	A. Correct.		report I believe I have found a few opinions that yo
3	Q. So it is your position, sir, that that		purport to offer the court. Can you tell me what
4	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?
8	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
11			witnesses testify to their opinions. And we can go
	of a system, such as this computer is a system, but		through the report, and I can try to pick out
	without other components it will not operate this		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		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,
4	sure that the system is defined across across the	4	you are not attempting to explain to the court how
5	two the two areas of of of our of what		the IAS system works?
6	we've learned. So the term "system" in the terms of	6	A. No.
7	what an attorney would refer to a system and what a	7	Q. Okay.
8	system of technology is pretty hard to define. And	8	A. I mean, there are elements in there
	so to make sure that the word makes sense to both of	9	discussing those, but that's not the primary reason
	us, I need to know exactly what you're defining as a		for the addressing of these particular items. We're
	system.		not not for that reason. If I were to go into an
12	Are you saying that the system that we're		in-depth explanation of this, it would be several
	talking about, for example, a mirror in in		hours.
14	Q. Mr. Johnson, stop. I'm going to object to	14	Q. Okay. Let's flip back to your
	the responsiveness of the answer. Sir, this		qualifications, please. All right. What is the AFIM
.0	- ,		that you identify in the second sentence of your
	deposition is to get your understanding of what a	10	
16	deposition is to get your understanding of what a system is. And I have other things I'm going to ask		
16 17	system is. And I have other things I'm going to ask		qualifications?
16 17 18	system is. And I have other things I'm going to ask you in this deposition. So I'm going to make a	17 18	qualifications? A. That's an automatic figure well, it's
16 17 18 19	system is. And I have other things I'm going to ask you in this deposition. So I'm going to make a recommendation here, just answer my questions. And	17 18 19	qualifications? A. That's an automatic figure well, it's just it's an automatic fingerprint identification
16 17 18 19 20	system is. And I have other things I'm going to ask you in this deposition. So I'm going to make a recommendation here, just answer my questions. And if you need to clarify, I may give you an	17 18 19 20	qualifications? A. That's an automatic figure well, it's just it's an automatic fingerprint identification system or body biometric body. We were the first
16 17 18 19 20 21	system is. And I have other things I'm going to ask you in this deposition. So I'm going to make a recommendation here, just answer my questions. And if you need to clarify, I may give you an opportunity, but answer my questions. That's why	17 18 19 20 21	 qualifications? A. That's an automatic figure well, it's just it's an automatic fingerprint identification system or body biometric body. We were the first ones to develop the automated way of determining
16 17 18 19 20 21 22	system is. And I have other things I'm going to ask you in this deposition. So I'm going to make a recommendation here, just answer my questions. And if you need to clarify, I may give you an opportunity, but answer my questions. That's why we're here.	17 18 19 20 21 22	 qualifications? A. That's an automatic figure well, it's just it's an automatic fingerprint identification system or body biometric body. We were the first ones to develop the automated way of determining fingerprints, facial recognition, iris scanning. And
16 17 18 19 20 21 22 23	system is. And I have other things I'm going to ask you in this deposition. So I'm going to make a recommendation here, just answer my questions. And if you need to clarify, I may give you an opportunity, but answer my questions. That's why we're here. I want to know, sir, is it your	 17 18 19 20 21 22 23 	qualifications? A. That's an automatic figure well, it's just it's an automatic fingerprint identification system or body biometric body. We were the firs ones to develop the automated way of determining fingerprints, facial recognition, iris scanning. And I have a patent on that. And we were the first one
16 17 18 19 20 21 22 23 24	system is. And I have other things I'm going to ask you in this deposition. So I'm going to make a recommendation here, just answer my questions. And if you need to clarify, I may give you an opportunity, but answer my questions. That's why we're here.	 17 18 19 20 21 22 23 	 qualifications? A. That's an automatic figure well, it's just it's an automatic fingerprint identification system or body biometric body. We were the first ones to develop the automated way of determining fingerprints, facial recognition, iris scanning. And

	Page 25		Page 27
1	A. That is a new kind of modulation system.		evolved from from these segments of of
	It's it's a it's around electromagnetic		programing electronics into what we call integrated
	spectrum modulation. It's a new it's a		circuits today.
	different you have the AFIM, and now we have DWM	4	Q. And what, if any, other courses besides
	systems there. We have several patents issued on		the home study course you took in 1966 have you taker
	that project.	_	in electronics programing?
7	Q. What, if anything, does the DWM technology	7	A. I believe I believe I've taken some in
	have to do with the purported solar energy technology		college from Brigham Young University, so I can't
	IAS has put out?		remember any of them specifically the name, but it
10	A. I don't know that it has anything directly		seemed like it was a COBOL programing course.
	to do but indirectly it explains my capability to	11	Q. Any other courses that you have taken in
	cross the whole spectrum of the technologies that we		electronics programing?
	exist today.	13	A. Not that I'm aware of.
14	Q. What, if anything, does the AFIM	14	Q. Okay. What, if any, courses have you
	technology have to do with the purported solar energy	1	taught in electronics programing?
	technology that the IAS has put out?	16	A. We've just taught those that I
17	A. It doesn't have anything directly to to	17	Q. No, sir, not "we." Who is "we"?
	have to do with anything with the solar energy	18	A. Myself. I taught to the various employees
	technology. It just, again, identifies my abilities		that I've had. It so that they could be
	to cross all the technologies and understand and	20	programers themselves. And so I taught mostly just
	comprehend all the technologies that exist around us		my employees.
	and that I have been involved in in developing new	22	Q. Did you follow any curriculum from any
	and ex new technologies around all of these		outside source in teaching your employees?
	various technologies that exist in our society.	24	A. I did.
25	Q. In the first sentence of paragraph two,	25	Q. What curriculum did you follow?
	Page 26		Page 28
	Mr it says, "Mr. Johnson has taken training	1	A. We followed
	courses and has taught courses in electronics	2	Q. Sir, we or I?
3	programing, microwave and wave switch programs."	3	A. I followed the curriculum of I'm
4	Did I read that correctly?		trying to think of the name. C, C++, C Sharp. The
5	A. Correct.		older the older ones are I'm trying to think of
6	Q. What courses in electronics programing		the name. It's Delphi, I think. Delphi. And some
	have you taken?		of those others.
8	A. I was probably the first the first	8	Q. Mr. Johnson, the things you've just listed
	51 5	9	off are computer languages, correct?
	took a a home study class from the university on	10 11	 A. Correct. Q. And what I asked you about was following a
11		1	,
11 12	computers were were very first started to be	12	curriculum to teach your employees, meaning a set
11 12 13	computers were were very first started to be used. And it was in conjunction with my work with	12 13	curriculum to teach your employees, meaning a set course of study as prescribed by some outside entity
11 12 13 14	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	12 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
11 12 13 14 15	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	12 13 14 15	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?
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11 12 13 14 15 16 17	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	12 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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11 12 13 14 15 16 17 18 19	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 that system, and it's somewhat to do with my work. Q. Real quick, what is electronics	12 13 14 15 16 17 18 19	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 programing languages. Q. What entity provided that curriculum?
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 11 12 13 14 15 16 17 18 19 20 21 22 	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 that system, and it's somewhat to do with my work. Q. Real quick, what is electronics programing? What does that mean? A. Well, it's just computer programing. It's the same thing but it's not but back then it	12 13 14 15 16 17 18 19 20 21 22	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 programing languages. Q. What entity provided that curriculum? A. I think there were several companies at that time that were involved in programing. I think but I don't know the names. I don't
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 11 12 13 14 15 16 17 18 19 20 21 22 23 24 	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 that system, and it's somewhat to do with my work. Q. Real quick, what is electronics programing? What does that mean? A. Well, it's just computer programing. It's the same thing but it's not but back then it	12 13 14 15 16 17 18 19 20 21 22 23 24	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 programing languages. Q. What entity provided that curriculum? A. I think there were several companies at that time that were involved in programing. I think but I don't know the names. I don't

	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.
2	their books home and reading them and studying them	2	Mr. Johnson, the answer is you don't know
3	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	answer.	21	microwave and wave switch programing have to do with
22	A. Okay. I'm sorry.	22	anything involved in solar energy technology that IAS
23	Q. How many times did you teach that course?	23	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
1	employees how to develop how to how to work on	1	technologies, and I understand and comprehend those
1 2			
	particular equipment. I knew all the equipment. And		technologies.
3	so they assigned me to teach on almost all their	2 3	technologies. Q. Mr. Johnson, is there any direct link
3	so they assigned me to teach on almost all their equipment to various applications.	2 3 4	technologies. Q. Mr. Johnson, is there any direct link between the microwave and wave switch programing and
3 4 5	so they assigned me to teach on almost all their equipment to various applications. Q. Sir, I'm going stop you there.	2 3 4	technologies. Q. Mr. Johnson, is there any direct link
3 4 5 6	so they assigned me to teach on almost all their equipment to various applications. Q. Sir, I'm going stop you there. Was the curriculum for these courses in	2 3 4 5	technologies. Q. Mr. Johnson, is there any direct link between the microwave and wave switch programing and the purported solar energy knowledge that IAS has put out?
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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
15 MS. HEALY GALLAGHER: Back on, please.	15 actually create the ability for a a solar panel
16 Q. Mr. Johnson, all the technology you just	16 to to change light to electricity.
17 described has to do with communications, correct?	17 And from that we were able, then, to
18 A. That is correct, yes.	18 communicate changing by changing light to
19 Q. What, if anything, does it have to do with	19 electricity which which is the forefront
20 the purported solar energy technology that IAS has	20 forerunner of today's communication where we use
21 put out in this case?	21 light well, I call them light waves; they call
A. Well, when you want to reference	22 them something else, but we called them light waves
23 something, we do it through a communication link	
	23 back then.
24 that so that we can see what's going on from a	23 back then.24 Q. Are you talking about a predecessor to
24 that so that we can see what's going on from a25 distance. We don't have to be there. It helps	

1	Page 41 A. Both that and the the cabling. What do	1	Page 43 working on the early distant warning system is
	they call that? Candlelight the laser light that	2	
	we use in communication today was the forerunner to	3	not relevant to the content of your report in this case?")
1	that.	4	A. Well, I only felt like it was a
5	MR. SNUFFER: Fiber optics.		· · · · · · · · · · · · · · · · · · ·
6	•		•
-	THE WITNESS: Fiber optics. That's what		the the experience I had with AT&T indicated that
	I'm looking the name is. I'm sorry. It's the		I had the ability to to cross various technologies
	forerunner to fiber the fiber optics		and understand various components. And it was a
	communications. And the isolation circuits on solid		similar a similar experience with the it wasn't
	state, isolating circuits using light to isolate		any more it was less in-depth doing this this
	high-voltage circuits from other circuits in order to		y
	make those able to communicate back and forth without		covered mainly the same the same material, the
	damaging equipment.		same technologies.
14	Q. (BY MS. HEALY GALLAGHER) Mr. Johnson, ir		Q. What were your job tasks for the seven
	your three years at AT&T, imagine that as a whole pie		years that you were working on the early distant
	of 100 percent, about how much time of that pie did		warning system in Alaska?
	you spend on anything to do with solar energy	17	A. I only I only worked I only worked
	technology?		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
	know. It would be just a small alternative.	20	51
21	Q. Ten percent?		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?		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.		attended some classes at Brigham Young University, I
3	Q. Mr. Johnson, the next sentence in your		believe in physics. There may have been some some
	qualifications starts with 1975. So can you explain,		additional higher-level mathematics above calculus.
	what were you doing between 1968 and 1975?		We had taken some calculus before that.
6		6	And so that was and some mathematical
	go to work with the early distant warning system that	7	mathematics on Einstein's physics.
8	was put up in Alaska along the Arctic Circle for	8	Let's see. What other class did I take?
9	protection against nuclear attacks by Russia,	9	Just just mostly mostly classes in upper
	particularly.		division. I took some chemistry classes, I believe.
11	Q. Is there any reason you didn't include		I took some mostly it was mathematics that I was
	that in your report?		interested in at that time to develop my my to
13	A. I didn't find it relevant.		expand my mathematical capabilities and and
14	Q. So, Mr. Johnson, from your position, your		Lanzoid [sic] physics. So that's probably the two
	time working on the early distant warning system is		areas I spent most of my time in. And chemistry. I
	not relevant to the content of your report in this		enjoyed chemistry.
	case?	17	Q. Anything else in the gap between 1968 and
18	A. It was mostly microwave rad		1975?
19	Q. Sir, that's not my question. Stop.	19	A. Oh, mainly I I developed, like I said,
20	Object to the responsiveness.	20	
21	Please read back my question.	21	then I think we was involved in the grocery store
22	A. Sorry. I didn't understand what you were		business and something like that, so
22	saying.	23	Q. All right. Let's talk about you said
24	(Record was read as follows: "So,		seven months at the Distant Early Warning system?
		24 25	seven months at the Distant Early Warning system? A. Correct, I believe about that.

		1	
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		1	the exact dates. It's been a long time ago.
	installation of some of the microwave systems and the	3	
	maintenance. And mostly teaching other people how to		in a moment, but you said that between 1968 and 1975
			-
	maintain those equipment that equipment. So	1	you developed businesses, right?
	that's my tasks.	6	A. Right. Right. Yeah.
7		7	Q. What businesses were those?
	you mean by that?	8	A. There was electronics there was
9	, 3	9	5
	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	11	
	around the Arctic Circle, from Canada, clear clear	12	0
	across the Alaska, and then out to the Aleutian	1	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	1	developed a new voice lie detector system. And then
	a huge the biggest radar system was on the	1	I got involved in using that for some oil companies
	Aleutian island chain. We could see from from the		to monitor their employees at various locations
	islands clear into Moscow above the anything could	1	across the country.
19	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.
	0	1	estate.
2	missile to be launched, that we tracked as well. And		estate. Q. Stop.
2	missile to be launched, that we tracked as well. And so we mostly in communications and radar systems. So that's what I did.	2	estate. Q. Stop.
2 3 4	missile to be launched, that we tracked as well. And so we mostly in communications and radar systems. So that's what I did.	2 3	estate. Q. Stop. A. But I don't know. Q. I don't know I don't want to know what
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	D (0)		
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
2	Q. Object to responsiveness of the answer.A. So is that related?Q. Mr. Johnson, other than the fact that both	2 3	involved, the the if you are saying directly that the the the same concept of recognizing a
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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
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 the solar energy technology that IAS purports to have 	2 3 4 5 6 7	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 directly compatible. But the same circuitry, the
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1	Page 53 business and operating IAS and utilizing all the	I is there between the cattle-feeding busines	Page 55
	business skills that I've learned, they have a direct	2 had and the purported solar energy technol	•
	connection on the profitability of the company.	3 IAS holds out in this case?	blogy that
4	Q. So the answer is no direct connection on	A. See, that's a see, your question	. then.
	the technology?	5 is is is hard to explain from a a perso	
6	A. No, direct connection to the technology.	6 like like I'm inventor, okay?	-
7	Q. What, if any, direct connection does the	Q. Stop. Object to the responsivene	SS.
8	cattle-feeding business have with the purported solar	A. You don't even know what I was g	
9	energy technology IAS holds out in this case?	ask [sic] the question yet. You can object	-
10	A. Well, it's just the same as the technology) answer.	
11	that you learn in in learning how to make proper	Q. I object to the responsiveness of y	your
	choices at the proper times in ordered to maximize	2 answer.	
	profits. And I have	3 What, if anything, did your cattle-fe	eding
14	Q. Mr. Johnson, stop.	4 business have to do with solar energy tech	-
15	A unique skill in doing that.	A. I draw on all of my experiences ar	•••
16	Q. I object to the response. Stop.	δ the knowledge	
17	A. Sorry.	7 Q. Stop. No. Mr. Johnson	
18	Q. I object to the responsiveness of the	A that I have to develop new	
19		e technologies.	
20	A. Okay.) Q. Stop.	
21	Q. Please read back my question.	A. So from that standpoint it does cre	eate a
22	Mr. Johnson, listen carefully	2 link to all of the information that I acquired	in any
23	A. Okay.	3 of my life experiences in order to develop	new
24	Q and then answer what I actually ask.	4 technologies. Inventions are not are not	t isolated
25	A. Okay.	5 things. They utilize the whole creative pro	cess. My
	Page 54		Page 56
1	Page 54 (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 cattle feed are the same creative process 	work the
2 3	(Record was read as follows: "What, if any, direct connection does the cattle-feeding business have with the purported solar energy	2 cattle feed are the same creative process3 in developing the new technologies, include	work the that I used
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?")	 2 cattle feed are the same creative process 3 in developing the new technologies, includ 4 energy technologies. 	work the that I used
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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.
	They I if you want a long you want a long	2	Q. Mr. Johnson, in your qualifications you
	answer or the short answer? You tell me.		say you have real estate holdings, one of which was a
4			supermarket of approximately 285,000 square feet in
L _	Q. Did you manage people?A. I did.		Salem, Utah.
5			
6	Q. Did you manage product?	6	Correct?
7	A. I did.	7	A. That's correct, yes.
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
	Okay. We are going to be here all day. That's fine.		inventor, there isn't any.
	It doesn't have anything to do with it had nothing	14	Q. So there is no direct connection?
	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		probably.
	used that that that area to develop my my	17	Q. Please remember to speak up, sir.
	self-service checkout lanes. I also owned a video	18	A. I'm sorry. I get lazy. I'm sorry.
	store, and I owned some other other stuff that I	19	Q. Mr. Johnson, you identify that the
	owned at the same time. So I just didn't put that		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?
24	have anything to do with the solar energy technology	24	A. Correct.
25	in this case.	25	Q. Mr. Johnson, in your qualifications you
	Page 58		Page 60
			Fage 60
1	A. Other than just giving me the experience	1	say that you graduated from Utah Technical College's
1			C I
	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 3	say that you graduated from Utah Technical College's electronics technology program in 1964, correct?
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2 3 4 5 6	 A. Other than just giving me the experience to draw on from an inventing point of view. Q. Any other connection? A. No. Q. Mr. Johnson, are you familiar with the name Walter J. Hoyt? 	2 3 4 5 6 7	 say that you graduated from Utah Technical College's electronics technology program in 1964, correct? A. Yeah, that's a mistake then. I didn't graduate. We can cross that out. Q. Mr. Johnson, did you write your qualifications page or did someone else write it?
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	D		D 00
	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 exhibit. Do you understand?	-	was a bit I think it was written part of it had
	A. Oh, sorry. Okay. Yes.		been written since 1987, and from various various
			translations or various people rewriting it, I
5	5 qualifications for your review?		think that there's there's introduced a mistake
6			in in the original document that was put out in
	these I didn't write these, but I think Denver or		'87.
	3 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	•		wrote this qualifications page. I got it.
	3 Exhibit 643	13	A. Okay.
14		14	Q. I want to know who gave this to you.
	5 really didn't I didn't pay any attention to this	15	A. This particular document was given to me
	6 part. I didn't I've never even looked at it.		by Denver or Denver's office.
17	•	17	Q. And are you talking about the entirety of
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
	2 numbered page 1 through 26, correct?		Paul.
23		23	Q. So Denver
24		24	A. I think it was Steven. Was it Steven?
	5 through 26?		Yeah, I think it was Steven Paul I think is the
-	Page 62		
1	· _ · ·	1	Page 64
	A. That's correct.		one who gave it to me.
2	A. That's correct.Q. But then pointing to the page that starts	2	one who gave it to me. Q. So you think Steven Paul gave you
	 A. That's correct. Q. But then pointing to the page that starts b with "qualifications" 	2 3	one who gave it to me. Q. So you think Steven Paul gave you Plaintiff's Exhibit 643?
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	Page 65	Page 67
1 A. Let's see. Three days	-	-
2 this.	2	
3 Q. So you're pointing to P		your communications with Mr. Snuffer's office did
4 Exhibit644?		they identify any facts or data that you considered
5 A. Right. He gave that to		in forming your opinions?
6 know what date, but about three	-	-
7 draft all done.		calls for attorney-client communication.
8 Q. I just want to make sur		,
9 it's clear for the record. So, Mr. 10 Mr. Snuffer somebody in Mr.		attorney-client communication, go ahead.
11 you Plaintiff's Exhibit 644, correc	-	MS. HEALY GALLAGHER: So, actually, Mr. Snuffer, that's an explicit carveout in Federal
12 A. That's correct.		Rule of Civil Procedure 26 that facts or data
13 Q. And three days later ye		provided by an attorney to an expert is available for
14 Mr. Snuffer's office your respon	-	examination. So I'm going to ask Mr. Johnson to
15 A. That's correct.		answer the question.
16 Q. Okay. And your respo		
17 hundred pages long?		conversations with the lawyer; you're mentioning
18 A. Correct.		facts. You're mentioning data.
19 Q. Then Mr. Snuffer's offic		•
20 draft, right?	20	
A. That's correct, yes.	21	THE WITNESS: So so let me see if I can
22 Q. And how long did their		understand where you're coming from, okay? Is that
23 A. About a month. It coul	d have taken a 23	okay?
24 little bit longer. I don't know, bu	it it was about 24	
25 that long.	25	A. So if I'm acting as an expert witness,
	Page 66	Page 68
1 Q. When you received their e	-	okay so I'm separate from all my other other
2 just sign off or did you have question	ons or bush back 🔰 🖉 🖉	' dealings with with the attomey in this respect
2 on their changes? What happened	-	dealings with with the attorney in this respect,
3 on their changes? What happened	l? 3	other than the the me, in this position, as an
4 MR. SNUFFER: Object to	1?3the extent that it4	b other than the the me, in this position, as an expert witness, okay?
4 MR. SNUFFER: Object to 5 calls for attorney-client communication	J?3the extent that it4tions.5	other than the the me, in this position, as an expert witness, okay? Q. So, here let me
 4 MR. SNUFFER: Object to 5 calls for attorney-client communica 6 THE WITNESS: You're rig 	1?3the extent that it4tions.5ht.6	 other than the the me, in this position, as an expert witness, okay? Q. So, here let me A. Well, let me just finish so I can so I
 4 MR. SNUFFER: Object to 5 calls for attorney-client communica 6 THE WITNESS: You're rig 7 MR. SNUFFER: So if you 	1?3the extent that it4tions.5ht.6can answer without7	 8 other than the the me, in this position, as an expert witness, okay? Q. So, here let me A. Well, let me just finish so I can so I can get this thing through.
 4 MR. SNUFFER: Object to 5 calls for attorney-client communica 6 THE WITNESS: You're rig 	1?3the extent that it4tions.5ht.6can answer without7with Steven Paul8	 a other than the the me, in this position, as an 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
 4 MR. SNUFFER: Object to 5 calls for attorney-client communica 6 THE WITNESS: You're rig 7 MR. SNUFFER: So if you 8 discussing conversations you had 9 or 	1?3the extent that it4tions.5ht.6can answer without7with Steven Paul89	 other than the the me, in this position, as an 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
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 4 MR. SNUFFER: Object to 5 calls for attorney-client communication 6 THE WITNESS: You're rig 7 MR. SNUFFER: So if you 8 discussing conversations you had 9 or 10 THE WITNESS: Well, how 11 without opening a door for more 	1?3the extent that it4tions.5ht.6can answer without7with Steven Paul801 answer that10more communication11answer that12	 other than the the me, in this position, as an 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 IAS or anything else, just just from the
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 4 MR. SNUFFER: Object to 5 calls for attorney-client communication 6 THE WITNESS: You're rig 7 MR. SNUFFER: So if you and a structure of the structure of the	d?3the extent that it4tions.5ht.6can answer without7with Steven Paul8g9do I answer that10more communication11answer that12in the door for13he extent it15attorney and16en Lisa, the17offirmative).18ry is covered by19o I just won't2122	 other than the the me, in this position, as an 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 IAS or anything else, just just from the standpoint of what you are just saying in the rules, that is it's specific to the operation and qualifications or dealings with the expert witness testimony. Is this correct? Q. So here is what I want you to think about, okay? A. Okay. Q. All right. You said that they gave you Plaintiff's Exhibit 644? A. That's correct. Q. In the course of drafting your response
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Page 69	Page 71
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?
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 in
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.
24 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
Page 70 1 electronics technology program at Utah Technical	Page 72 1 A. Correct, yes, ma'am.
 electronics technology program at Utah Technical College? 	 A. Correct, yes, ma'am. Q. Did the optics classes have anything else
 electronics technology program at Utah Technical College? A. I don't know; that was a long time ago. 	 A. Correct, yes, ma'am. Q. Did the optics classes have anything else 3 to do with the purported solar energy technology at
 electronics technology program at Utah Technical College? A. I don't know; that was a long time ago. I'm not sure what they called it. It was either 	 A. Correct, yes, ma'am. Q. Did the optics classes have anything else 3 to do with the purported solar energy technology at 4 issue in this case?
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Page 73	Page 75
1 Plaintiff's Exhibit 644? That's Dr. Mancini's	1 took the idea of
2 report.	2 Q. All right, stop. No, sir, I'm going to
3 A. Okay.	3 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.	5 If you're not going to let me answer, you can't ask
6 Q. All right. There Dr. Mancini lays out the	6 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).	9 that you learned the stages of engineering technology
10 Q. Yes?	10 development at either Utah Technical College or at
11 A. Right.	11 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
13 something like this at Utah Technical College?	13 idea not the ability to you can't teach it.
14 A. Either that or in in BYU, some of the	14 You don't there are no classes in teaching
15 studies there, yes.	15 inventing. I said
16 Q. Okay. So you learned that the first stage	16 Q. Stop, stop.
17 has to do with research? Yes?	17 A these are the things that are taught.
18 A. Well, the first stages have to do with	18 Q. Stop, sir.
19 developing your abilities in and he's left that	19 A. And he left out one.
20 out. The first stages have to developing yourself	20 Q. Stop. You were pointing specifically to
21 in the various technology curriculums or knowledge of	21 engineering tools on Dr. Mancini's chart. Is that
22 the of the various technologies. And that's the	22 what you mean you learned at Utah Technical College
23 first stages of developing a new technology.	23 and/or BYU?
24 Q. Well, sir, we're talking about specific	A. In reference to your question you want
25 A. He left it out. That's specific in the	25 to read the question on that particular issue back
Page 74	Page 76
1 that's specific. He's left that out.	1 again?
 that's specific. He's left that out. Q. Okay. What's the next step, in your mind? 	1 again? 2 Q. Stop, Mr. Johnson.
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1	Page 77 that you're going to evaluate. This isn't this	1	Page 79 living, like most people do. I went there to learn
	isn't designed to develop new products. This is		something. The reason why I went to school was
	designed to develop a product mainly that's already	2	because I wanted to learn. That's different than
	been done. And that's all he's ever done.		going to school and getting a degree and just
5			memorizing everything there.
	inventing you can't teach in a college. Otherwise	6	I wanted to learn what the concepts were,
	you would have a whole bunch more people doing	-	how they were developed, how the mathematics were
	exactly what I do, and they don't do it.		actually defined, how the proofs were working, how to
9		9	develop a proof.
10		10	I went back east and they I I had
	That's the answer. These are simple things that you	11	they I went back in to to they invited me
	are given to in classes 101. This is nothing new.		back to Washington, D.C.
	This you are put in a lab you go to a lab, you	13	Q. Stop, Mr. Johnson. No. We're talking
	say here they give you an assignment. Here is		about Brigham Young. That's it.
	some pages to fill out. Okay, you are following	15	A. Well, that's why I went to school. I
	these particular things.	16	-
17			learn.
	now develop this into a product? That's silly.	18	Q. Okay.
19		19	A. So I took classes.
	technology development, that's in early classes,	20	Q. What classes did you take?
	right?	21	A. I took physics classes. I didn't take
22	•	22	I didn't take basket weaving and and all this
	your first lab classes.		stuff. I took
24	-	24	Q. Mr. Johnson, I'm not interested in what
25			class stop, stop. Mr. Johnson, stop. I'm not
	Page 78		Page 80
1	nothing simple. Anybody who had gone to college has	1	interested in what classes you didn't take. I'm
	got to learn that. The same thing you do when you go		interested in classes you did take. So you said
	to go to the first thing you learn in your		physics. What else?
	attorney's classes is how to fill out the plaintiff's	4	A. Well, I took English. I took basic skills
	forms. It's just no different. It's not it's	5	writing and developing my writing skills, my
	not it's not rocket science. It's filling out a		communication skills. I felt those were very
	form.		important in dealing with people and dealing with
8			business relationships.
	what it says here on your qualifications page, that	9	I took mathematics to make sure that I
	you studied physics and mathematics at Brigham Young	10	understood the mathematical principles upon which the
	correct?		sciences were based.
12		12	I then took the various sciences which
13	Q. How long were you at Brigham Young?	13	applied those mathematics in those various forms,
14			such as physics, electrical engineering classes,
15			programing classes. And whatever classes were in the
16	A. I don't even know. I can't even tell you		technical field, I utilized those mathematical skills
17	that.		to to work in to learn all these various
18	Q. Well, you talked about it initially in the	18	technologies. That's why I went to school. I didn't
19			go for the purpose of getting a degree. I didn't
20			need one.
	time there. I didn't go to school to to to	21	Q. Okay. You say you were at Brigham Young
	to gain a a degree to go out and get a job, where		for only a year, but you've just listed off a whole
	most people do. I was making more money than		lot of classes that you took.
	engineers make when I went to school. I didn't need	24	A. Well, I took a lot of hours. And I worked
	to go to school to develop my skills of making a	25	full-time when I took those hours. I did the same

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
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[]	
Page 85 1 environment that would would heat some objects	Page 8 1 A. No, I didn't.
 2 that would last through the through the evening a 	2 Q. Sorry, let me finish the question.
3 little bit, and stuff like that. To make my life a	3 Did you do any other sorts of
4 little bit more comfortable, yes.	4 experimentation with solar radiation around the time
5 Q. And you used that for your living space?	5 that you were 14?
6 A. I used it mostly just placed it lay	6 A. Not really, no. Not really. It was
7 down sometimes and get a lead sometime in the	7 from 14 on is when I was doing it was a long time.
8 wintertime. It gets cold back then in this area. It	8 (Discussion off the record.)
9 was cold so, yeah.	9 A. It was beyond 14. It was for several I
10 Q. You mentioned amplifying the sun's heat to	10 was on my own from then on, so
11 extend a growing season. Were you growing things to	11 Q. Mr. Johnson, now I'd like to walk through
12 eat or for any other reason at this time?	12 your report a little bit more. So we're turning back
13 A. Yeah, I tried to experiment on things that	13 to Plaintiff's Exhibit 643.
14 I could maybe utilize and extend, like I said, the	14 A. Okay.
15 growing season.	15 Q. The first sentence of this third paragraph
16 Here it used to it used to freeze in	16 is fairly lengthy, so we're going to take it in
17 the first part of September, and so you wouldn't get	17 parts.
18 any, you know, fresh vegetables past that particular	18 A. Okay.
19 time. And so we just I just looked at ways of	19 Q. Part of that sentence says, "I have formed
20 extending that and using some water as a as a	20 an opinion, based on practical trials, engineering
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 8
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 see. I'll
3 day into a confined space, what you get is a warm	3 withdraw that. We'll take a step back.
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 sentence here, this
6 experience. I used I used all the knowledge that	6 first sentence of the third paragraph 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 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 looks like that I'm
12 extra, you know, springtime dew. I used to eat	12 talking about the Fresnel lenses, yes.
13 dandelions for the Vitamin C components and	13 Q. Okay. So I'm confining my questions right
14 because they were the first plants to come out. And	14 now to questions to do with the Fresnel lenses in
15 if you put a warm environment around them, you would	15 this sentence, okay?
16 then gain a few months and increase your Vitamin C	A. Okay.Q. Can you tell me about the practical trials
17 intake, so	
18 Q. So do you mean sort of like a greenhouse?	18 that the Fresnel lenses have undergone?
19 A. That, but it was more more than that.	19 A. Well, if you're going to start, it's
20 It was it was it was just some kind of a way to	20 it's the practical trials and engineering and
	21 research development that evolved into the
21 help evaporate the water and using some kind of	
22 application where you could develop some kind of	22 development of the Fresnel lens. It's more
22 application where you could develop some kind of23 heating source for us.	23 complicated than just what we did on the testing. So
22 application where you could develop some kind of	-

	Page 89		Page 91
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.
	to?	2	Q. What did you do?
3		3	A. The first thing we did is we analyzed what
4		4	was going to be necessary to create a Fresnel
5			lenses that weren't that were going to compete and
6			be cost effective in developing energy. It wasn't
7	-		we didn't go out there to make a project so that we
8			could steal government money from the government.
-	You just probably won't know how to read them. And I		We actually were out there developing a new project
	probably couldn't go back and read them after I		to make a profitable an alternative energy source
	after I did them. They weren't designed other		that we could live on. This is before we had any
	they weren't designed to for any other engineering		any any any kind of tax credits at all.
	firm or any other company. They were designed	13	So what we did is we analyzed what was
	specifically for my research and development. I		going to be required to make that. And we found out
	don't have any way of keeping things secret. I don't		that the only way the traditional way of making
	have a huge staff that has high security on all of		large lenses was using granite granite tops and
	this data. I do not write any of my patents down and		casting these lenses. They were very expensive.
	keep track of them in a way that anybody else could		They couldn't ever compete in in the marketplace
	read them or do any research from them.		for producing electrical solar energy or heat or any
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
	patents. But I personally do not keep any data on	22	decided to go to a Fresnel lens, because we studied
	any of the research that I do for the purpose of, I		mirrors, and mirrors were the same problem. Mirrors
	do not people have stolen my patents. The federal		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
	took that and gave that to Boeing to develop around		I'm not going to.
3	my system. After I showed it to them, after they	3	So we started right there. And then we
4	came out and visited with me, spending hours with me,	4	said, okay, if we develop this project, what do we
5	offering me to come back there and tell me how it	5	have what kind of a cost do we have to meet before
6	worked, and then they went around me and took	6	we get going with this product?
7	millions of dollars	7	Q. Okay. Mr. Johnson, I'm going to back you
8	Q. Mr. Johnson, I'm going to	8	up a little bit.
9	A and gave that to Boeing. I have to	9	A. Okay.
10	Q stop you right here.	10	Q. So are you saying that no one could
11	A. I have to have	11	re-create the testing that you did on the Fresnel
12	Q. No.	12	lenses?
13	A. I have to have the secrets. Then from	13	A. No, everybody can everybody can do it
14	then on we didn't do that again. And so most of the		now, but they couldn't do it at the time, because the
	technology that I have is protected for myself. And		problem wasn't the Fresnel lens; it never was. The
	when I get it to the market, then people can see how	16	Fresnel lens has been around since 1600.
	it operates. It's not it's not hard to see how	17	Q. But, Mr. Johnson, no one can replicate
10	the Fresnel lens work. My grandmother would know how		
10	to see that.		correct?
19			
19 20	Q. Mr. Johnson, you mentioned books. Did you	20	A. No, they were never designed to. I didn't
19 20 21	Q. Mr. Johnson, you mentioned books. Did you hand write data?	21	want anybody to. That wasn't what it was designed
19 20 21 22	Q. Mr. Johnson, you mentioned books. Did you hand write data?A. Yes, I did, but not in a way that anybody	21 22	want anybody to. That wasn't what it was designed for. It was designed for internal work. Just like
19 20 21 22 23	Q. Mr. Johnson, you mentioned books. Did you hand write data?A. Yes, I did, but not in a way that anybody could read it.	21 22 23	want anybody to. That wasn't what it was designed for. It was designed for internal work. Just like if if you were making an atomic bomb, you wouldn't
19 20 21 22 23 24	Q. Mr. Johnson, you mentioned books. Did you hand write data?A. Yes, I did, but not in a way that anybody could read it.	21 22 23 24	want anybody to. That wasn't what it was designed for. It was designed for internal work. Just like

	Page 97		Page 99
1	normally you wouldn't do that, no. And most most	1	A. Okay.
	companies don't reveal what they are doing outside of	2	
	the company. Mancini has never worked for a company.		power generation system to heat the working fluid,
4	That's his problem.		normally water, that will be used to turn the
5			turbine."
6	,	6	A. Okay.
7		7	
	be able to duplicate your stuff and then have they		temperature of the working fluid and drives the
	have more money, and then they go around and steal it		turbine, providing for the generation of
	from you. No, you don't do that. It's silly.		electricity."
11	Q. Mr. Johnson, I'd actually like you to take	11	A. Okay.
	a look back at your Qualifications page in your	12	Q. "These two components (turbine and solar
13	report here.		lens arrays) have been working for some time, and we
14	5		have been using them for research and development to
15	Q. Under the heading Publications, about	15	make sure all the systems function adequately."
	halfway down the page, it says, "Mr. Johnson has not	16	
17	been published in the previous ten years."	17	Q. Did I read those sentences correctly?
18	•	18	A. Okay.
19	A. That's correct.	19	Q. All right, Mr. Johnson. For the first
20	, , ,	20	sentence
21	published?	21	A. Okay.
22	,	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
	in the academic world. It has no value to me, how I	1	Q. Please don't reread it.
	look in the ac the academic world. There is no	2	··· ,··· ··· ··· ··· ···
· .	there is no profit to it.		okay, then I won't reread it.
4	5	4	Okay. The solar lenses produce heat in
	heading that says Other Expert Testimony, it says,		the form of in the British thermal units, is BTUs.
6	c <i>j i</i>		We could have used other sources names for
	trial or by deposition in the previous four years."		energy
8	5	8	Q. Sir, stop, stop. I asked you for the
9			facts that you have to support that first sentence.
10		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			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	
15			energy measurement, which is called
16	•	16	Q. Stop, sir.
17		17	
	going to read.	18	Q. I'm going to stop you there.
19		19	Other than information about what a BTU
	Q. "The solar process heat generated in solar		is, what facts do you have to support that sentence?
20	· –		A. The fact is that the solar energy the
20 21	array using the Fresnel lenses can be captured and	21	
20 21 22	array using the Fresnel lenses can be captured and the resulting heat energy, in the form of BTUs	22	solar lens produces heat. You saw that.
20 21 22 23	array using the Fresnel lenses can be captured and the resulting heat energy, in the form of BTUs generated by the solar lenses, can be regulated by	22 23	solar lens produces heat. You saw that. Q. All right. Well, then what I'm going to
20 21 22 23 24	array using the Fresnel lenses can be captured and the resulting heat energy, in the form of BTUs	22 23 24	solar lens produces heat. You saw that.

	Page 101		Page 103
1	A. We use a I use a 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	· ·		for in this testing?
	anything like that where anybody can get at it.	12	A. What do you mean by "error rate"?
	Again, I don't I don't hold that stuff around so	13	Q. Do you know what error rate means?
	people can look at it. It's not against the law to	14	
	do that, by the way.		you talking about?
16	Q. How did you perform the testing to	16	Q. Tell me what error rate means.
	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
	used we also then used a measurement device		perspective or a technology
20	Q. We or I?	20	Q. Mr. Johnson
21	A. I used a measurement device that would	21	A perspective.
	we could measure how fast the heat would would	22	Q I want to know what you consider an
	heat, say, a fluid, to determine the rate on which		error rate.
	energy is transferred from the solar energy	24	•
25	concentrated into a fluid. And determine that rate	25	the lenses we had to determine what was already out
	Page 102		Page 104
	would determine how many BTUs per second or a minute		there, what kind of errors we were going to
2	would determine how many BTUs per second or a minute or an hour that the BTUs would be transferred from	2	there, what kind of errors we were going to experience if we use mirrors.
2 3	would determine how many BTUs per second or a minute or an hour that the BTUs would be transferred from the light source into a fluid and transferred.	2 3	there, what kind of errors we were going to experience if we use mirrors. For example, a mirror system has an error
2 3 4	would determine how many BTUs per second or a minute or an hour that the BTUs would be transferred from the light source into a fluid and transferred. Q. Where did you do these tests?	2 3 4	there, what kind of errors we were going to experience if we use mirrors. For example, a mirror system has an error rate of almost 90 percent when it gets dirty. And so
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	Page 105		Page 107
1	A that the solar energy project creates	1	
	concentrated heat.	2	
3	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	5	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.	9	I don't keep that kind of data. Anybody can
10	Your data from the tests you ran to	10	reproduce that data. I can re I can re I can
11	support this first sentence on page 8 of 26, where is	11	produce that data any time I choose. And the heat
12	that data?	12	rate there is there.
13	A. It's probably in Dave Dave Dave's	13	And then we have an independent study on
14	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	Q. Why do you think that?	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.		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
	again.	23	Fresnel lens built by someone else. Okay. And we
24	So the next sentence says, "This heat is		determined
	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
	used to turn the turbine."		system and compared the two.
3	Did I read that correctly?	3	
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
-	the heat that is generated by the Fresnel lenses,	-	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		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?		source come in and evaluate that, and that's in our
13	A. We use several several measuring		white papers.
	devices. One is we have the flow rate of the fluid.	14	Q. Object to responsiveness of the answer.
	We have a temperature measuring device that measures		Would you please read back the question?
	the temperature of the fluid. We have the	16	
	specifications of the fluid, of what the specific		A. Okay. I didn't. No, I didn't. I gave them to Dave. Dave probably has them. I don't know
	heat of that fluid is.		
10			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
19	And by determining the flow rate, the heat	20	chouldor or not on the head on I don't keep them I
19 20	temperature and the specific heat we can determine		shoulder or pat on the head, so I don't keep them. I
19 20 21	temperature and the specific heat we can determine how many BTUs that fluid handles. We then can	21	don't like to do that because I like to keep things
19 20 21 22	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	21 22	don't like to do that because I like to keep things secret because people steal new technologies.
19 20 21 22 23	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.	21 22 23	don't like to do that because I like to keep thingssecret because people steal new technologies.Q. Please read back my question.
19 20 21 22 23 24	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	21 22	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	, 5	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
	report on it. And I wasn't there when they did it.	13	laboratory, under real-world conditions? How?
	So I assume that they wrote the report based upon	14	,
	some factual information that they that they		
	developed.		
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
	didn't want to influence anything in their in		5
	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		24	Q. In which laboratories was this tested?
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	
4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		tests?
5		5	
6		6	Q. And under real-world conditions, are we
	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	
	you have the document, because you referred to it before.		A. Not that I can remember, but I'm sure there is.
12		13	
13		14	
	exactly.	15	
16	•	16	
	next sentence which says, "The solar process heat	17	
	raises the temperature of the working fluid and		and well, not on the solar lenses. That wasn't
	drives the turbine, providing for the generation of		there, so okay, that's probably enough.
	electricity."	20	
21	Did I read that correctly?		that.
1 ~ 1	-	22	
22	A. THALS COTTECL VES.		
22			5 1 5
23	Q. Mr. Johnson, how many times have you	23	the testing that you did to show that the solar
23 24	•	23 24	the testing that you did to show that the solar

	Decc 112		Dage 115
1	Page 113 A. No, I allow them to do their independent	1	Page 115 gave them to, I think, Denver's office. I and I
	testing.		don't know whether they did get to him or not, but
3	Q. And who is that?		that's where they were I was told that they were
4	A. Just the people that did the report. We		sent, so that's all I know.
5		5	Q. And did you provide the names of people
6		6	
7	Q. Who are they?	7	A. No, I did not.
8	A. I don't know. You would have to talk to	8	Q. Do you know who did?
9		9	A. I think Greg Shepard did. I'm not
10	the Dave is usually the one that arranges all of	10	
11		11	Matt. Matt did. Yeah, Matt was the one who got the
	of them, nor am I there when they do it.	12	data.
13	Q. How many expert witnesses do you think you	13	Q. Do you happen to know how Mr. Shepard
14	have retained in any fashion?	14	selected these 30 names for affidavits?
15	A. I don't know. Three, five. Three to	15	A. I don't know. I didn't ask him.
16	five.	16	Q. So aside, Mr. Johnson, from pictures and
17	Q. Okay. Why aren't any of them testifying	17	
18	in this case?		have to support the idea that the turbine and solar
19	A. Didn't feel like I needed to.	19	lens arrays have been working for some time?
20	Q. Any other reason?	20	A. Well, like I said, the expert witnesses.
21	A. Nope. No. Sorry.	21	Did you include those? I mean, the other ex I
22	Q. The next sentence says, "These two	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."	24	and collectively. Besides that, no.
25	That's the start of that sentence,	25	Q. Mr. Johnson, please turn to page 6 of 26.
	Page 114		Page 116
1	Page 114 correct?	1	Page 116 I'm looking at the first sentence of the second
1	-		-
	correct? A. Where are you at? Oh, okay, I've got it. Okay. I'm there. Okay.		I'm looking at the first sentence of the secondparagraph the second full paragraph.A. Six of 26? And what paragraph?
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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.
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	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	Q. If any third party has tested your turbine
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		10	is in the office of Dave's Nelson's, I haven't.
11	•	11	Q. Is it possible for someone to re-create
12	A. Do you want me to tell you the difference		your tests with your data?
	between the two the two sentences?	13	A. No. But they can with the actual
14			equipment.
15	Mr. Johnson, what, if any, support	15	Q. Has anyone ever done that?
	factual support do you have for the sentence that the	16	A. Yes.
	discharge from the rocket nozzles can be collected	17	Q. Who?
	and merely subjected to a typical heat exchange	18	A. My employees.
	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	21	exchangers; I kept that kind of a secret. I didn't
	condensing steam.		want somebody stealing it from me.
23	, , , , , , , , , , , , , , , , , , ,	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	3	Q. So the answer is no?
	developed our own heat exchanges, which we have now		
	patented, which is much more efficient and much	5	Q. Mr. Johnson, I'm looking at the last
	smaller and a lot cheaper and and requires less		sentence of that section on page 9, which says, "We
	maintenance.		expect to get many times the useful life expected in the Rankine cycle from the Johnson turbine."
8	And that also, then, works as a heat		
1	exchanger to to condense steam back to an electric form of water.	9	Did I read that correctly?
11	Q. Okay. What, if any, data have you kept	10	A. Where are you, on page 9?Q. Yes. Above the second heading above
	from testing the turbine with traditional heating		the heading.
	exchangers?	12	A. Okay.
14	A. We haven't kept any data. I haven't kept	14	Q. "We expect to get many times the useful
	any data. Excuse me.		life expected in the Rankine cycle from the Johnson
16	Q. To your knowledge, has anyone other than		turbine."
1	you ever tested your turbine with traditional heat	17	A. Okay.
	exchangers?	18	Q. Did I read that correctly?
19	A. Well, my employees test it and and	19	A. Right.
1	and, you know yes. So, yeah. I mean yes. Excuse	20	Q. What, if any, data do you have to support
1	me.		that statement?
22	Q. Anyone other than your employees?	22	A. Well, you have all the all the books
23	A. I don't know. We've had a lot of people		that require you to look at a boiler and to see what
120			
	come through, and whether they were involved in that	24	kind of fluid that is asked to go through it. what
24	come through, and whether they were involved in that or not, I'm not sure. But I'm sure they were, but		kind of fluid that is asked to go through it, what kind of chemicals that you have to add to that fluid

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	Page 125		Page 127
	in order to maintain the integrity of the boiler, and	1	Q. Do you have any data from those tests?
	the rate at which the boiler expires due to the fluid	2	A. We don't think we needed them. No, we
	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?
	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.
	turbine, you would last three days in a Rankine cycle	9	Q. It says, "We have tested the Johnson
	boiler.		turbine above 1,000 degrees, and it worked very well
11	Q. Do you have any other sources of data to	11	•
	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
	in your it's all in your technology books. It's		that statement?
	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
20	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.
23	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
25	take a fluid and you don't evaporate the fluid into a	25	page 7
	Page 126		Page 128
1	Page 126 steam, then you don't the particulates in the	1	Page 128 A. Okay.
	-	1 2	
2	steam, then you don't the particulates in the	2	A. Okay.
2 3	steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate out. In so doing they don't create a damage to	2 3	A. Okay.Q which says, "Temperature into the finless Johnson turbine does not need to exceed
2 3 4	steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate	2 3	A. Okay.Q which says, "Temperature into the
2 3 4 5	steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate out. In so doing they don't create a damage to your piping. And so the fluid, when it's dirty and	2 3 4	 A. Okay. Q which says, "Temperature into the finless Johnson turbine does not need to exceed 450 degrees Fahrenheit and 90 PSI.
2 3 4 5 6	steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate out. In so doing they don't create a damage to your piping. And so the fluid, when it's dirty and it's already saturated will go to the point where it	2 3 4 5	 A. Okay. Q which says, "Temperature into the finless Johnson turbine does not need to exceed 450 degrees Fahrenheit and 90 PSI. Do you see that?
2 3 4 5 6 7	steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate out. In so doing they don't create a damage to your piping. And so the fluid, when it's dirty and it's already saturated will go to the point where it evaporates into a steam, which only happens at the	2 3 4 5 6 7	 A. Okay. Q which says, "Temperature into the finless Johnson turbine does not need to exceed 450 degrees Fahrenheit and 90 PSI. Do you see that? A. Yes, I do.
2 3 4 5 6 7 8	steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate out. In so doing they don't create a damage to your piping. And so the fluid, when it's dirty and it's already saturated will go to the point where it evaporates into a steam, which only happens at the nozzle after it's after it's passed through the	2 3 4 5 6 7	 A. Okay. Q which says, "Temperature into the finless Johnson turbine does not need to exceed 450 degrees Fahrenheit and 90 PSI. Do you see that? A. Yes, I do. Q. What, if any, support do you have for that
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate out. In so doing they don't create a damage to your piping. And so the fluid, when it's dirty and it's already saturated will go to the point where it evaporates into a steam, which only happens at the nozzle after it's after it's passed through the entire engine, which which leaves no residue inside the piping or the engine. Therefore, that and that is that is recognized in all the data that you want chemistry data. You'll find that all through the chemistry books that tell you when the saturation points of liquid will change, causing the saturation of the material in the fluid to precipitate out. Q. Can you point me to any specific sources? A. No, but you can go look it up yourself. There is plenty of them. Every book that talks about evaporation will tell you that. Q. Aside from general theories of 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 A. Okay. Q which says, "Temperature into the finless Johnson turbine does not need to exceed 450 degrees Fahrenheit and 90 PSI. Do you see that? A. Yes, I do. Q. What, if any, support do you have for that statement? A. We tested this at BYU, first of all, with dry steam from a Rankine cycle boiler system, and the temperature was 300 degrees Fahrenheit at 90 PSI. And there was a professor there and several other people, including Dave Nelson. We were evaluating our patents, and we were having real testing done at the university. We then tested the same turbine at Sulphurdale, in Utah, which is a geothermal plant, using geothermal to generate electricity. We used the water directly from the well. It was 90 PSI pressure, to keep the water at liquid at 300 degrees.
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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 23 24	steam, then you don't the particulates in the solvent in the fluid solvent do not precipitate out. In so doing they don't create a damage to your piping. And so the fluid, when it's dirty and it's already saturated will go to the point where it evaporates into a steam, which only happens at the nozzle after it's after it's passed through the entire engine, which which leaves no residue inside the piping or the engine. Therefore, that and that is that is recognized in all the data that you want chemistry data. You'll find that all through the chemistry books that tell you when the saturation points of liquid will change, causing the saturation of the material in the fluid to precipitate out. Q. Can you point me to any specific sources? A. No, but you can go look it up yourself. There is plenty of them. Every book that talks about evaporation will tell you that. Q. Aside from general theories of evaporation, do you have any other support for that statement?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 A. Okay. Q which says, "Temperature into the finless Johnson turbine does not need to exceed 450 degrees Fahrenheit and 90 PSI. Do you see that? A. Yes, I do. Q. What, if any, support do you have for that statement? A. We tested this at BYU, first of all, with dry steam from a Rankine cycle boiler system, and the temperature was 300 degrees Fahrenheit at 90 PSI. And there was a professor there and several other people, including Dave Nelson. We were evaluating our patents, and we were having real testing done at the university. We then tested the same turbine at Sulphurdale, in Utah, which is a geothermal plant, using geothermal to generate electricity. We used the water directly from the well. It was 90 PSI pressure, to keep the water at liquid at 300 degrees. And we turned that in we drove that into our our turbine. And so we operated the

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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
2 A. My two sons. An 3 believe was there. Myself	employee, Curtis Snow, I2. And I don't know if3. ere or not but there could4	2 dispute on something. I may have signed it, and3 there was dispute and I backed away from the
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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	7	Q. Yes?
	all I know.	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.	11	Q. You testified on July 1st, or around then,
	5 51	12	that LTB O&M, LLC, had never undertaken any activity.
13	you wish to clarify or amplify? A. Not at this time.		Do you recall that?
14		14	A. Yes, I do.
	Q. Mr. Johnson, let's take a look back,	15	Q. From July 1st to the present date has LTB
17	please, at page 8 of your report.	10	O&M, LLC, undertaken any activity?
18	 A. Okay. Q. The first sentence. It starts with the 		A. I don't know if they have or not. There has been discussion of of with the accountants
	phrase, "The solar process heat."		
20	Mr. Johnson, what's your understanding of		to see if there is an appropriate requirement that I have to disburse some some funds, whether it's
	solar process heat?		
21			from LTB or some other company. So I don't know 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	24 25	Q. And, Mr. Johnson, you are the manager for
25		25	·
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	A. Yes, I am.
	amount of that heat with that was generated by a	2	Q. So if LTB O&M was going to undertake any
	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?
	would quality, then, for the tax credit. So process		
6			
	heat would be something that would replace any amount	6	A. That is correct, yes.
7	heat would be something that would replace any amount of of other types of other types of heat	6 7	A. That is correct, yes.Q. So other than conversations with
7 8	heat would be something that would replace any amount of of other types of other types of heat source, whether it be bio biometrics not	6 7 8	A. That is correct, yes.Q. So other than conversations with accountants, has LTB O&M undertaken any activity
7 8 9	heat would be something that would replace any amount of of other types of other types of heat source, whether it be bio biometrics not biometrics bi anyway. Coal or or or wood	6 7 8 9	A. That is correct, yes.Q. So other than conversations with accountants, has LTB O&M undertaken any activity since July 1st?
7 8 9 10	heat would be something that would replace any amount of of other types of other types of heat source, whether it be bio biometrics not biometrics bi anyway. Coal or or or wood or or any kind of heat used for the purpose of	6 7 8 9 10	 A. That is correct, yes. Q. So other than conversations with accountants, has LTB O&M undertaken any activity since July 1st? A. I don't believe so, no.
7 8 9 10 11	heat would be something that would replace any amount of of other types of other types of heat source, whether it be bio biometrics not biometrics bi anyway. Coal or or or wood or or any kind of heat used for the purpose of doing anything with. So the definition would be	6 7 9 10 11	 A. That is correct, yes. Q. So other than conversations with accountants, has LTB O&M undertaken any activity since July 1st? A. I don't believe so, no. Q. Has the entity LTB1, LLC, undertaken any
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	Dec. 497		Dama 400
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 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
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
12 13 14 15 16 17 18 19	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 are many articles and many calculations, many
12 13 14 15 16 17 18 19 20 21	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 International Automated Systems.	13 14 15 16 17 18 19 20 21	 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 are many articles and many calculations, many scientific proofs that a Fresnel lens will, in fact,
12 13 14 15 16 17 18 19 20 21	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 International Automated Systems. Q. Mr. Johnson, what, if any, money has changed hands from you to any other person for the	 13 14 15 16 17 18 19 20 21 22 	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 are many articles and many calculations, many scientific proofs that a Fresnel lens will, in fact, produce electricity, or produce heat, or produce a
12 13 14 15 16 17 18 19 20 21 22	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 International Automated Systems. Q. Mr. Johnson, what, if any, money has changed hands from you to any other person for the	 13 14 15 16 17 18 19 20 21 22 23 	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 are many articles and many calculations, many scientific proofs that a Fresnel lens will, in fact, produce electricity, or produce heat, or produce a hot fluid, or produce other heat sources that will

 Page 141 Page 142 Inscarce for the last 400 years. Q. Mr. Johnson, I'm talking about your solar field. Your solar field. Q. Mr. Johnson, I'm talking about your solar field. Your solar fields are the same as every G. A. H. don't know, Util's in your daughter H. J. don't know, They're they're they're H. J. don't know, They're With at data do you have to support that idea? Q. So what I'm asking you about is how is Yur solar field going to produce BTUs that are sold. With at data do you have to support that idea? A. The same data that has shown in every and - and that mathematical for unus that that show in every and - and that mathematical for unus that that has shown in every G. Can you give me anything specific? A. A it has produced heat, and, forews noinficially ba ynytody independent of me forews noinficially ba ynytody independent of me foreks noinficially ba ynytomy that is the prosent lens is and and prove that this is a Fresnel lens. And we have we dat way that every a Fresnel lens, that if you can grow that it a Fresnel lens, the nytory other test ever made on a Fresnel lens, the nytory other test ever made on a Fresnel lens, the nytory other test ever made on a Fresnel lens, the nytory other test ever made on a Fresnel lens, the nytory other test ever made on a Fresnel lens, the nytory other test ever made on<th></th><th></th><th></th><th></th>				
2Q. Mr. Johnson, Imitalking about your solar3 field. Your solar field.2Q. And who is that?4 A. My solar fields are the same as every6 ther Fresnel lens and can be proven as such, and tar55 observed to yany person that chooses to do that.5Q. Who are these independent people?6 be duplicated by any person that chooses to do that.5Q. Who are these independent people?7 Unable of the duplication of the free duplication of the duplication of the duplication of the duplication of the free dupli	1	-	1	-
3 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 5 5 other Fresnel lens and can be proven as such, and can 7 0. What I'm asking you about is how is 6 be duplicated by any person that chooses to do that 6 A. I don't know. 7 0. So what I'm asking you about is how is 9 A. I don't know. 16 9 What data do you have to support that idea? 6 A. I don't know. 16 Personchame the same data that has shown in every 11 other Fresnel lens, that it will produce heat. And. 10 and - and the mathematical formulas that he has 12 in fact 12 0. An you give me anything specific? 13 that you testied othaw not changed in 400 or 500 years. 13 ther you rescentifically by anybody independent of me 16 0. Do you remember the testing conditions for 16 other solar Fresnel lens, thil we way the lens 17 20. M. Johnson. 18 A. I do not. But I do know this, ital if the 2 conception of a Fresnel lens, then every other test ever mate on 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 <td></td> <td>-</td> <td></td> <td>-</td>		-		-
4 A. My solar fields are the same as every 5 other Fresnel lens and can be proven as such, and can 6 be duplicated by any person that chooses to do that. 7 Q. So what I'm asking you about is how is 9 What data do you have to support that idea? 10 A. The same data that has shown in every 11 ther Fresnel lens, that it will produce heat. And, 12 in fact. 13 O. Can you give me anything specific? 14 A it has produced hay any toroky independent of me 16 choosing to go down and to the proper tests to make. 17 gu was produced and is - is factular in its mathematical. 12 nat, and it the Fresnel lens, it and the mathematical. 12 nat, and it the Fresnel lens, it and proper books and proper test. 13 a Fresnel lens, the avery other test ever made on 14 the concellens, that if you can prove that it as a Fresnel lens, the avery other test ever made on 14 the concellens, and it fue or the information in 15 A. Ne. 16 A. Ne. 17 conception of a Fresnel lens, the avery other test ever made on 14 the conception is in at fo				
 5 other Fresnel lens and can be proven as such, and can 6 be duplicated by any person that chooses to do that. 7 Q. So what I'm asking you about is how is 8 your solar field going to produce BTUs that are sold. 9 What data do you have to support that lide? 1 there are data that has shown in every 11 there are data that has shown in every 11 there are the asynchronic training specific? 12 in fact - 12 o. Can you give me anything specific? 13 a Q. Can you give me anything specific? 14 A it has produce heat, and it can be 15 proven scientifically by anybody independent orme 16 choosing to go down and do the proper tests to make 17 sure that it works the same exact way that every 18 other solar Fresnel lens. Will work. 19 In fact, we have an expert witness that 20 as drawn out the fact of the lens, the way the lens 21 word of a Fresnel lens. And we have duplicated 22 conception of a Fresnel lens. And we have duplicated 23 that mathematically. And anybody can go down with 24 the proper training and proper tooks and proper test 22 equipment and prove that this is a Fresnel lens. And we have duplicated 23 that mathematical proof is that if you can prove hat it is a Fresnel lens, the wery other test ever made on 4 a Fresnel lens, then every other test ever made on 4 a Fresnel lens, then every other test ever mateon 4 a Fresnel lens, then every other test sthat 3 a Fresnel lens, then every other test sthat 4 A. Me. 9 Q. Anyone else? 9 A. Me. 9 Q. Anyone else? 14 thet tests that 1 have purported in here is in 15 reproducible by any independent individual if thy			-	
6 be duplicated by any person that chooses to do that. 6 he duplicated by any person that chooses to do that. 7 Loth Know, They're - the 're - 're 're - 're				-
7 Q. So what I'm asking you about is how is your solar field going to produce BTUs that are sold. 7 textbooks are from from the Freenel, and that's why 8 it's called Freenel, because of Freenel is a 9 Freenchman who developed it. And he developed that 10 and - and the mathematical formulas that he has 11 developed have not changed in 400 or 500 years. 11 11 11 developed have not changed in 400 or 500 years. 12 0. Can you give me anything specific? 13 0. Can you give me anything specific? 14 14 10 and - and the mathematical formulas that he has 15 proven scientifically by anybody independent of me 16 choosing to go down and do the proper tests to make 17 sure that i works the same exact way that every 18 other solar Fresnel lens. Mil work. 12 0. Do you remember the testing conditions for 17 each of those thousands of tests? 18 A. I dan not. But I do know this, that if the 19 sun comes up and there's not a cloud covering the 20 sun, and if the Fresnel lens is in the - is in a 21 will works the same exact way the lens 22 will conception of a Fresnel lens. And we are duplicated 23 that mathematically. And anybody can go down with 24 the proper training and proper books and proper test 25 equipment and prove that this is a Fresnel lens. And 25 Q. Are the testing conditions for these 2 things - are the testing conditions in the dat that 3 so a saplicable to my Fresnel lens 4 19 a Fresnel lens is applicable to my Fresnel lens 4 1 toousands of times you claim to have tested these 2 things are to testing conditions in the dat that		•		
 B your solar field going to produce BTUS that are sold. What data do you have to support that idea? A. The same data that has shown in every A. The same data that has shown in every I other Fresnel lens, that it will produce heat. And, I in fact. Q. Can you give me anything specific? A. A it has produced heat, and it can be G choosing to go down and do the proper tests to make for sure that it works the same exact way that every s other solar Fresnel lens. Will work. I fact, we have an expert witness that a that you tested components and components connected the one another thousands of times. S ther solar Fresnel lens. Will work. I fact, we have an expert witness that a bhas drawn out the fact of the lens, the way the lens a that mathematicall. And we have duplicated the proper training and proper books and proper test ever made on a fresnel lens, it is a Fresnel lens. And a Fresnel lens, it is a Fresnel lens. And a Fresnel lens, it is a Fresnel lens. A. Me. A. Ne. A. Ne				
 9 What data do you have to support that idea? 9 Frenchman who developed it. And he developed that 10 and - and the mathematical formulas that he has 10 and - and the mathematical formulas that he has 11 developed have not changed in 400 or 500 years. 12 in fact - 13 Q. Can you give me anything specific? 14 A it has produced heat, and it can be 15 proven scientifically by anybody independent of me 16 choosing tog down and do the proper tests to mathematical 22 conception of a Fresnel lens. Mind work. 19 In fact, we have an expert witness that 20 as drawn out the fact of the lens, the way the lens 21 was produced and is - is factual in its mathematical 22 conception of a Fresnel lens. And we have duplicated 23 that mathematically. And anybody can go down with 24 the proper training and proper books and proper tests 25 equipment and prove that this is a Fresnel lens. the proof 22 mathematical proof is that if you can prove that it 3 is a Fresnel lens, then every other test ever made on 4 a Fresnel lens, then every other test ever made on 4 a Fresnel lens is applicable to my Fresnel lens Q. Anyone else? A. Me. 9 Q. Anyone else? A. Me. 9 A. Me.		• •		-
10A. The same data that has shown in every 11 other Fresnel lens, that it will produce heat. And, 12 in fact.10and and the mathematical formulas that he has 11 developed have not changed in 400 or 500 years.13Q. Can you give me anything specific? 14A it has produced heat, and it can be 15 proven scientifically by anybody independent of me 16 choosing to go down and do the proper tests to make 17 sure that it works the same exact way that every 18 other solar Fresnel lens will work.10and and the mathematical formulas that he has 11 developed have not changed in 400 or 500 years.10and and the mathematical formulas that he has 11 developed have not changed in 400 or 500 years.11developed have not changed in 400 or 500 years.12Q. Mr. Johnson in 20 and anybody can go down with 24 the proper training and proper books and proper test 2 equipment and prove that this is a Fresnel lens. And 24 a fresnel lens, the avery other test ever made on 4 a Fresnel lens, the every other test ever made on 4 a Fresnel lens, the every other test ever made on 4 a Fresnel lens, the every other test ever made on 4 a Fresnel lens, the every other test ever made on 4 a Fresnel lens, the every other test ever made on 4 a Fresnel lens, the every other test wer made on 4 a Fresnel lens, the every other test shat 14 ave performed in here is 31 reproducible by any other expert in their field 31 reproducible by any other expert in their field<				
11 other Fresnel lens, that it will produce heat. And, 11 developed have not changed in 400 or 500 years. 12 in fact 12 O. Mr. Johnson, you testificant bia morning 13 A				
12 in fact 12 Q. Mr. Johnson, you testified this morning 13 Q. Can you give me anything specific? 13 that you tested components and components connected 14 A	-	· · · · · ·		
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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
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Page 149	Page 151
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 supports22 these two sentences?
22 walked through it. You wanted to look at everything.	
23 We showed you that. And we showed you how the how	A. We don't have any actual data, but we24 anybody can reproduce those.
24 the hydraulic systems turned the mechanisms, making25 it very accurate.	25 (Discussion off the record.)
· · ·	
Page 150 1 You even have a if you go back on your	Page 152 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
5	
6 A. Well, it may not, but I don't know that he	
	6 fact, use can be reproduced by anybody trained and an
 A. Well, it may not, but I don't know that he 7 got everything there, but we showed it to you. It 8 was right at right in you had to see it as you 	
7 got everything there, but we showed it to you. It	6 fact, use can be reproduced by anybody trained and an7 expert in the field of hydraulics.
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	Page 153		Page 155
1	Q. Let's turn, please, to page 16. We are	1	
	still on Plaintiff's Exhibit 643. In this section,		receiver similar to the type used with parabolic lens
	Mr. Johnson, you're talking about solar receivers,		collectors
	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. Not ex not exactly, no. Huh-uh.	7	
8	Q. Okay. So the second sentence of the first	8	A. Those would all work. They're not as cost -effective as the one that we later developed. We
9	paragraph says, "Accordingly, the Johnson turbine version of the IAS system may utilize a variety of	9	were anticipating using one of these, but we decided
	solar receivers that are capable of receiving the		that from a cost standpoint it was better to utilize
	concentrated solar energy from the collectors of each		something different.
	tower and transferring that energy to a heat source	13	-
	fluid."		do you have that reflects the testing you did with
15	Did I read that correctly?		the vacuum tube system?
16	A. Right, but the theory but you left out	16	
	the first sentence.	1	that information was given we purchased that and
18	Q. Okay, but the sentence I read talks about		we gave that information over to you.
	solar receivers, correct?	19	•
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 have that
24	we're talking about solar receivers. That same	24	reflects the testing you did with the vacuum
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 and
2	returning to the sentence that I read. A. Okay.	2	A. It's on our computer system and and and we reproduced that for you.
2	returning to the sentence that I read. A. Okay. Q. So, Mr. Johnson, you have not decided	2 3	A. It's on our computer system and andand we reproduced that for you.Q. What computer system is this on?
2 3 4	returning to the sentence that I read. A. Okay. Q. So, Mr. Johnson, you have not decided which solar receiver to use? Is that the case?	2 3 4	A. It's on our computer system and andand we reproduced that for you.Q. What computer system is this on?A. Just my laptop and other computers that we
2 3 4 5	returning to the sentence that I read. A. Okay. Q. So, Mr. Johnson, you have not decided which solar receiver to use? Is that the case? A. Well, whether we have or whether we	2 3 4 5	 A. It's on our computer system and and and we reproduced that for you. Q. What computer system is this on? A. Just my laptop and other computers that we have available to us.
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	Page 157		Page 159
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		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		the way the piping had to be placed, there was a gap between the actual light and the receivers, and it
	use their glass tubes or we would have to develop our own glass tubes using a better glass than what they	2	between the actual light and the receivers, and it
3	own glass tubes using a better glass than what they	2 3	
3 4	-	2 3 4	between the actual light and the receivers, and it was creating a problem for us to get the efficiencies
3 4 5	own glass tubes using a better glass than what they had, because their temperatures were only between 124	2 3 4 5	between the actual light and the receivers, and it was creating a problem for us to get the efficiencies from the system. The same the same thing applies
3 4 5 6	own glass tubes using a better glass than what they had, because their temperatures were only between 124 degrees and 154 degrees. And so we needed to know	2 3 4 5 6	between the actual light and the receivers, and it was creating a problem for us to get the efficiencies from the system. The same the same thing applies to the system being used in the in the parabolic
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	Page 161		Page 163
1	Q. So the third type of receiver that you		this exact exchanger, but similar. The ones we've
	describe is on page 17 of your report, correct?		been testing for the past ten years or
3	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	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
11	third type of solar receiver?		upon it, to use the least amount of energy and still
12			get the same heat transfer.
13	was has been in the development process for over	13	We were using a different heat source
14	eight eight or nine years, this is the first one	14	other than the solar heat source to to heat the
15	we used. We used a variety we used a a similar	15	system to see what kind of heat exchange would take
16	system in Mesquite in 2005.	16	place within the piping, the size, the area, the
17	Q. Mr. Johnson, where, if at all, is the data	17	space of the total area of the heat exchangers. And
18	that was generated by testing this third type of	18	then by doing that we were able then to create the
19	solar receiver?	19	heat exchanger in the proper dimensions and the
20	A. Again, I don't keep the data. If I feel	20	proper sizing of the pipe in order to get the least
21	like there is a patent that might be applicable to	21	amount of restrictions.
22	it, we then I turn it over to Dave. If not, I	22	Then we then we placed the glass over
23	just I just get rid of it. I usually put it	23	the heat exchangers, and then we determined how the
24	through a what do you call it? Anyway, I destroy	24	heat loss was from the from the manufacturer's
25	the data.	25	heat specs on their on their new glass that they
	Page 162		Page 164
1	Q. Do you believe you've sent any data from	1	gave us, and we figured those from mathematically
	Q. Do you believe you've sent any data from the testing of this third type of solar receiver to		gave us, and we figured those from mathematically using the trans what do you call it? The trans
2		2	
2	the testing of this third type of solar receiver to	2 3	using the trans what do you call it? The trans
2 3 4	the testing of this third type of solar receiver to Mr. Nelson?	2 3 4	using the trans what do you call it? The trans heat transfer coefficients and see whether those heat
2 3 4 5	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 have	2 3 4 5	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
2 3 4 5	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	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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	Page 165		Page 167
1	solar receiver out on a tower?	1	Q that you describe in your report
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	A. If you count that as the if the if
6	produced the same amount of efficiencies that we	6	the difference is is glass, yes. We have tested
7	that we gain in our in our mathematical models as	7	it with glass but not this type of glass.
8	well as the the actual testing using the high	8	Q. What, if any, data did you generate from
9	temperature, high high temperature light and	9	the test two weeks ago?
10	and so we we did that.	10	A. We we took some videos
11	And we also showed	11	Q. Any other data?
12	Q. Okay, stop, stop.	12	A in the process.
13	Had you ever, before two weeks ago, tested	13	
	this third type of solar receiver on a tower?	14	Q. In the course of the testing two weeks
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	A. No. Well, it came out of the receiver,
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.
			Da
	Page 166		Page 168
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	1	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	1 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?	1 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 	1 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 	1 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 	1 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.
2 3 4 5 6 7 8	 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 	1 2 3 4 5 6 7 8	 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?
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 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. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 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?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 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. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 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?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 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. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 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?
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. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 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
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 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. A. Okay. 	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 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 900 degrees, at which time we got out of the way. We
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. 	1 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

1	Da 100		D
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.		· · · · · ·
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		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		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		tubes.
	breaks, what is required to have a have a position		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		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		vacuum tube system that we discussed as your firs
1	the solar receiver?		option for a solar receiver?
24	A. About six inches, something like that.	24	•
	Six to eight inches.		just we were looking for a better a better
	•		
	Dama 470		D 470
1	Page 170 O Six inches square?	1	Page 172
1	Q. Six inches square?		glass
2	Q. Six inches square?A. No, it's round. Six to eight inches.	2	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	 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	 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.
2 3 4 5 6 7 8	 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). 	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
2 3 4 5 6 7 8 9	 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? 	2 3 4 5 6 7 8 9	 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."
2 3 4 5 6 7 8 9 10	 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. 	2 3 4 5 6 7 8 9 10	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?
2 3 4 5 6 7 8 9 10	 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 	2 3 4 5 6 7 8 9 10 11	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
2 3 4 5 6 7 8 9 10 11 12	 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? 	2 3 4 5 7 8 9 10 11 12	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.
2 3 4 5 6 7 8 9 10 11 12 13	 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	 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	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.
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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.	3	receiver is approximately 95 percent heat absorbent.
			A. Right.
4	1 31 8	4	Q. And you talked about actual measurements
5	Q. Mr. Johnson, please take a look at page 18		of the device.
6	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.
9	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.
	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,
	say, "This system is approximately 95 percent heat		
	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		through with it, so it possibly would still be around
	heat" excuse me "95 to 98 percent of the heat		in one of my folders, but it's just done recently.
1	put into the system and loses a minimal amount of	23	It won't be for very long, so
	heat."	24	Q. So you're planning to destroy it soon?
25	A. Right.	25	A. I do, yes.
	Page 174		Page 176
1	Q. Did I read those sentences correctly?	1	Q. Uh-huh. Where, if at all, are you keeping
2	A. Yes.		any data regarding the actual measurement of
3	Q. What, if any, data do you have to support	3	temperatures in the device?
4	the first sentence, that the solar receiver is	4	A. I don't keep those. Again, I don't keep
5	approximately 95 percent heat absorbent?	5	that kind of information.
6	A. That's that's mathematically provable	6	Q. What kind of tools do you use to measure
7	by the by the by the material that we used and	7	the temperature in the device?
8	the heat condition heat trans heat transfer	8	 A. Electronic temperature measuring devices
9	co coefficients to define those characteristics.	9	Q. Are those installed on the inside of
10	So that this, when it was done	10	these
11	mathematically, to start with, to demonstrate that	11	A. Some are on the inside; some are outside.
12	the that the material itself was capable of of	12	Q. Let me finish the question.
13	retaining at least that much, and possibly more,	13	A. Oh, sorry.
14	because of the heat transfer character coefficients.	14	
15	The second tests were done by an actual	15	on the inside of the receiver; yes?
16	measurement of the device for a period of, say, one	16	A. Yes.
17	hour, and it retained its heat between 95 and	17	
18	90 percent of the system. So that would make it so	18	A. Correct.
19	it would be possible, even if the system moves	19	Q. How were the thermometers connected
20	slightly, and even got out of out of focus	20	back let me withdraw that question.
21	O Ston oir	21	How are the thermometers on the inside of
	Q. Stop, sir.		
22	A it would still retain	22	the solar receiver connected back to a place where
1	•		the solar receiver connected back to a place where you can read the temperature?
22	A it would still retain		you can read the temperature?
22 23	A it would still retainQ. Stop.	23 24	you can read the temperature?

	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	2	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	2	Q. Well, and you agree, though, Mr. Johnson, that a it's important for efficiency of any solar
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2 3 4 5	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.Q. Yeah. How do you maintain the integrity	2 3 4	Q. Well, and you agree, though, Mr. Johnson, that a it's important for efficiency of any solar energy system that heat losses be minimized, correct?A. Yeah, not according to the not
2 3 4 5	 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. Q. Yeah. How do you maintain the integrity of the system if you are sticking a probe into a tube 	2 3 4 5	 Q. Well, and you agree, though, Mr. Johnson, that a it's important for efficiency of any solar energy system that heat losses be minimized, correct? A. Yeah, not according to the not according to the IRS
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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?"	
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 dow	
20 there right now and fly from here to Salt Lake and g	
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
20 4.101.011	Lo dolt on the record, mill connoon, that you do not talk
Dog	100 Dogo 184
	Page 184
1 A. And that's why it's not efficient.	1 to any attorney for the United States with your
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Case 2:15-cv-00828-DN-EJF Document 252-31 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
	Page 186		Page 188
1	Page 186 you kept to track the ways that you have decreased	1	Page 188 had to work.
		1 2	had to work.
	you kept to track the ways that you have decreased heat loss from the solar receiver?	2	had to work.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	you kept to track the ways that you have decreased heat loss from the solar receiver? A. Again, because this is proprietary information, we do not share that, and it's proprietary the way we do things. We do not share this information. And so we keep it separate. And I and I do not have to I do not keep it, because we do not have the security necessary to keep my information from being taken or given out to the other people, so therefore, I I usually destroy that information. However, it is reproducible, both mathematically and experimentally, by anybody that that has the capacity to understand the system. Q. So, Mr. Johnson, you do not keep data on what you've done to minimize the heat losses from the receiver, correct? A. No, because I can I can I know what it is and I can reproduce it.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	 had to work. Q. Object to the responsiveness of the question of the answer. Would you please read back my question? (Record was read as follows: "So other than the patents, what, if any, data do you have from testing of the CPV system?") A. I don't actually keep any data on hand. If I have any data it's in Dave's Nelson's hands, and he keeps that for me if I need it to refer to it all. Q. So, Mr. Johnson A. Oh excuse me. There is one other thing that I might add to this. We do have a report an expert report, a white paper you might call it, from BYU, that has validated the the CPV system and the voltage control board. So you have that. Q. Mr. Johnson, who at BYU wrote a white
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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	-		patents. They have to know that.
3		3	Q. Why do you think that?
4		4	A. Because I get the reports on my product.
5		5	And they tell me what what what other products
6	Q. Do you have any other data besides the	6	are close to it and describe their functions and
7	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			difference. If they couldn't, they could not have
11	to us. And the design that shows what the test	11	evaluated whether or not my patent would infringe on
12	how to set up the test is available. And because of	12	theirs.
13	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?	14	and Trademark Office engages in testing of the
15	A. I suppose you have it. I don't know if	15	technology that you submit for patents?
16	you have the drawings. You probably do. Or the	16	A. In some aspects you have to you have to
17	patents.	17	give them information of what what you've done and
18	Q. Mr. Johnson, you said a couple things that	18	how you've developed the product and what information
19	make me curious about what your belief is regarding	19	is required to make the thing operational.
20	what it means to receive a patent. So when you	20	Q. Object to the
21	receive a patent on a particular technology, what	21	A. And from that they would have to then
22	does that mean to you?	22	understand how the thing would work.
23	A. What does it mean to me?	23	Q. Object to the responsiveness stop,
24			Mr. Johnson.
25	A. It means the patent office has decided	25	A. I'm not I'm not going to argue with you
	Page 190		Page 192
	that this is a very unique and new way of performing	1	about the damn patent office.
	whatever it is you're getting the patent about, and	2	Q. Mr. Johnson
	they have and no one else has been able to do	3	A. If you want to go argue, go argue with the
	that.		patent office.
5	Q. Do you believe that the patent office has	5	Q. Object to the responsiveness of the
_	made sure that that technology works?	-	answer.
7		7	Would you please read back my question?
	you to patent something that doesn't work. These are	8	A. You asked me what I believed and you want
	very intelligent people and they are they are	9	5
	specialists in their field. And so when they when		want to say that I don't.
	they evaluate the circuit they would understand just	11	Q. Mr. Johnson, we need to give the court
	how the circuit would work.		reporter a moment to look back at my question so that
13	And when I defy that because they would	13	she can read it to you again. A. You said, "Do you" "do you believe,"
	have to know because they they have to know how the thing works in order to evaluate it and compare		and I said, "Yes."
	it with other systems or products in the same in	15	Q. Sir
	the same area of expertise. And so, yes, they	10	A. And I described why I believed that. And
	would they would definitely know whether it would	1	now you want to say that that isn't the way it is.
110		1 10	
			If you want to be over on my side then you come over
19	work or not.	19	If you want to be over on my side, then you come over and answer the questions. I gave you the response
19 20	work or not. Q. Why do you think the Patent and Trademark	19 20	and answer the questions. I gave you the response
19 20 21	work or not. Q. Why do you think the Patent and Trademark Office would try to figure out whether a technology	19 20 21	and answer the questions. I gave you the response that you asked for, and now you're telling me I'm
19 20 21 22	work or not. Q. Why do you think the Patent and Trademark Office would try to figure out whether a technology would work?	19 20 21 22	and answer the questions. I gave you the response that you asked for, and now you're telling me I'm full of shit, and I'm not. And that's exactly what
19 20 21 22 23	work or not. Q. Why do you think the Patent and Trademark Office would try to figure out whether a technology	19 20 21 22	and answer the questions. I gave you the response that you asked for, and now you're telling me I'm

Page 193	Page 195
1 What I believe about the patent office is my 1 electronics is a highly developed sk	
2 prerogative. And I've had a lot of experience with 2 technology, and the mathematics the 2 technology and the mathematics the 2 technology and the mathematics are distorted as a set of the set of	
3 it. And that has been my experience. And I just 3 full and highly developed, and it can	
4 demonstrated why I believe what I believe. 5 an alternative server at her helief lease	
5 Now, if you have some other belief, keep 5 circuit works. And if it works mathe	
6 it to yourself, because it doesn't bother me. 6 works. And there isn't any question	
7 Otherwise, get over here. 7 if it works mathematically that it will	
8 Q. Sir, please stop talking so the court 8 according to the mathematics that y	you put together on
9 reporter 9 it.	a ta a da di a t
10 A. Okay. 10 And the patent office unders	
11 Q can read back my question. 11 principle. And so if I developed a c	
12 A. Go ahead. 12 claims to do certain things and I exp	
13 (Record was read as follows: "Do you 13 mathematics behind that circuit, that	
14 think, Mr. Johnson, that the Patent and 14 function exactly like the mathematic	
15 Trademark Office engages in testing of the 15 And that's how everything in this co	
16 technology that you submit for patents?") 16 everything in electronics and engine	eering is built,
17 A. Yes, they do. Did you know that a a 17 from the mathematics.	
18 mathematical formula is considered a test on a 18 Q. Do you have any	
19 product? 19 A. It's perfect models.	
20 Q. Object to responsiveness of the answer. 20 Q. Do you have any other rea	
A. Well, you asked me what I believed and 21 that the Patent and Trademark Office	
22 why, and I just answered that question, so don't be 22 your technology that you submit for	
23 crossing it out. That was exactly the question you 23 determining that the technology wo	
24 just asked.24A. Look, I've answered that que	-
25 Q. Object to the responsiveness 25 and I'm not going to get into whether	er the patent
Page 194	Page 196
1 A. Then cross out the whole damn question. 1 office are smart people or not. I un	
2 MS. HEALY GALLAGHER: Off the record, 2 the government employees and g	-
3 please. 3 employees you understand what	•
4 (Discussion off the record.) 4 employees' level of intelligence is, t	•
5 MS. HEALY GALLAGHER: Back on. 5 determine what their intelligence is.	
6 Q. So, Mr. Johnson, you just testified that 6 they're highly intelligent people or the fight of the second secon	•
7 you believe that the Patent and Trademark Office 7 doing what they are doing. If you c	hoose to believe
8 tests the technologies that you submit for patent. 8 whatever you want to about them, I	
9 A. Yes, according to the testing 9 Q. Mr. Johnson, if, in fact, the	Patent and
9A. Yes, according to the testing9Q. Mr. Johnson, if, in fact, the10Q. Yes or no. Answer it yes or no.10Trademark Office does not make su	Patent and ure that technology
9A.Yes, according to the testing9Q.Mr. Johnson, if, in fact, the10Q.Yes or no.10Trademark Office does not make su11A.No.11is submitted in support of patents w	Patent and ure that technology
9A.Yes, according to the testing9Q.Mr. Johnson, if, in fact, the10Q.Yes or no.Answer it yes or no.10Trademark Office does not make su11A.No.11is submitted in support of patents w12Q.Yes, sir, I will give you a chance. The12anything to your	Patent and ure that technology /ork, does that do
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Page 107	Page 100
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	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	D 000
	Page 200
	Page 200 1 Fresnel lens. Those lenses are prisms. And they
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		Page 201			Page 203
1	Α.	Okay.	1	Α.	Correct.
2	Q.	Do you recognize Plaintiff's Exhibit 645?	2	Q.	From International Automated Systems?
3	Α.	Yes, I do.	3	Α.	Correct.
4	Q.	What is it?	4	Q.	And the first three checks are to you,
5		It's a transformer.	5	0	
6		And this transformer is at the back of the	6	Α.	Yes.
7		on the construction site, correct?	7	Q.	All from February 25th, 2005.
8		Correct.	8	Α.	Okay.
9		And when I say "this," I'm talking about	9	Q.	Yes?
10		page of Plaintiff's Exhibit 645.	10	Α.	Yes.
11	Α.	2	11	-	(EXHIBIT647 WASMARKED.)
12		Right?	12	Q.	
13		Okay.			arked Plaintiff's Exhibit 647. For the record,
14		The second page of Plaintiff's Exhibit 645			es number is Zions_Bank-000396.
15		abel on that transformer, correct?	15	Α.	,
16		Okay.	16	Q.	Do you recognize Plaintiff's Exhibit 647?
17		Is that right?	17	Α.	Well, I know what it is. I mean, it's a
18		Correct.		check.	
19		And you see, Mr. Johnson, the time and	19	Q.	It's a check from International Automated
20	date st	amp on each of these screenshots?	20	System	ns, Inc., correct?
21	Α.	Okay.	21	Α.	That's correct.
22		It's April 4, 2017, right?	22	Q.	To the NP Johnson Family Limited
23		Okay.		Partner	ship, right?
24	Q.	Yes?	24	Α.	Correct.
25	Α.	Yes.	25	Q.	And that limited partnership was owned by
		Page 202			Page 204
1		Is Plaintiff's Exhibit 645 a true and		-	members of your immediate family, right?
		e representation of what was visible on our	2		Correct.
3		on April 4, 2017?	3	Q.	And this check is dated January 27, 2012,
4		I believe it to be so.		right?	
5	Q.	Mr. Johnson, do you recall the first date	5		Correct.
6		purchased lenses from Plaskolite?	6	Q.	International Automated Systems has also
7		I don't. It was a long time ago.	7		•
8	\sim		1	•	ney to members of your family, right?
		Mr. Johnson, you own a portion of	8	Α.	ney to members of your family, right? I think they paid wages to some members,
	Internati	onal Automated Systems, correct?	8 9	A. and som	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities
10	Internati A.	onal Automated Systems, correct? Correct.	8 9 10	A. and som that they	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company.
10 11	Internati A. Q.	onal Automated Systems, correct? Correct. And, Mr. Johnson, at least in the past,	8 9 10 11	A. and som that they (ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.)
10 11 12	Internati A. Q. Internati	onal Automated Systems, correct? Correct. And, Mr. Johnson, at least in the past, onal Automated Systems has paid you money,	8 9 10 11 12	A. and som that they Q.	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked
10 11 12 13	Internati A. Q. Internati correct?	onal Automated Systems, correct? Correct. And, Mr. Johnson, at least in the past, onal Automated Systems has paid you money,	8 9 10 11 12 13	A. and som that they (Q. Plaintiff	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked s Exhibit 648, Bates-marked
10 11 12 13 14	Internati A. Q. Internati correct? A.	Correct. And, Mr. Johnson, at least in the past, onal Automated Systems has paid you money, Well, they may have paid me a little bit	8 9 10 11 12 13 14	A. and som that they (Q. Plaintiff BankofA	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked s Exhibit 648, Bates-marked mericanFork-000195.
10 11 12 13 14 15	Internati A. Q. Internati correct? A. of mone	onal Automated Systems, correct? Correct. And, Mr. Johnson, at least in the past, ional Automated Systems has paid you money, Well, they may have paid me a little bit y. Not much.	8 9 10 11 12 13 14 15	A. and som that they (Q. Plaintiff' BankofA	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked s Exhibit 648, Bates-marked mericanFork-000195. Wr. Johnson, Plaintiff's Exhibit 648 has
10 11 12 13 14 15 16	Internati A. Q. Internati correct? A. of mone	onal Automated Systems, correct? Correct. And, Mr. Johnson, at least in the past, onal Automated Systems has paid you money, Well, they may have paid me a little bit y. Not much. (EXHIBIT 646 WASMARKED.)	8 9 10 11 12 13 14 15 16	A. and som that they (Q. Plaintiff' BankofA four che	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked s Exhibit 648, Bates-marked mericanFork-000195. Mr. Johnson, Plaintiff's Exhibit 648 has tocks on it, correct?
10 11 12 13 14 15 16 17	Internati A. Q. Internati correct? A. of mone Q.	onal Automated Systems, correct? Correct. And, Mr. Johnson, at least in the past, onal Automated Systems has paid you money, Well, they may have paid me a little bit y. Not much. (EXHIBIT 646 WASMARKED.) I'm showing you, Mr. Johnson, what's been	8 9 10 11 12 13 14 15 16 17	A. and som that they Q. Plaintiff' BankofA four che A.	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked s Exhibit 648, Bates-marked mericanFork-000195. Mr. Johnson, Plaintiff's Exhibit 648 has teks on it, correct? Yes, uh-huh.
10 11 12 13 14 15 16 17 18	Internati A. Q. Internati correct? A. of mone Q. marked	ional Automated Systems, correct? Correct. And, Mr. Johnson, at least in the past, ional Automated Systems has paid you money, Well, they may have paid me a little bit y. Not much. (EXHIBIT 646 WASMARKED.) I'm showing you, Mr. Johnson, what's been Plaintiff's Exhibit 646.	8 9 10 11 12 13 14 15 16 17 18	A. and som that they (Q. Plaintiff' BankofA four che A. Q.	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked s Exhibit 648, Bates-marked mericanFork-000195. Mr. Johnson, Plaintiff's Exhibit 648 has teks on it, correct? Yes, uh-huh. The second check is to LaGrand Johnson.
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10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Internati A. Q. Internati correct? A. of mone Q. marked A. Q. A. Q.	 In the provided stress of the provid	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. and som that they (Q. Plaintiff' BankofA I four che A. Q. Do you s A. Q. A. Q. dated Ja	ney to members of your family, right? I think they paid wages to some members, ne members they've reimbursed for activities y've done for the company. (EXHIBIT 648 WAS MARKED.) I'm handing you what's been marked s Exhibit 648, Bates-marked mericanFork-000195. Mr. Johnson, Plaintiff's Exhibit 648 has toks on it, correct? Yes, uh-huh. The second check is to LaGrand Johnson. see that? Uh-huh (affirmative). Yes? Yes.

	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
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	Page 209		Page 211
	IAS.	1	Q. And, Mr. Johnson
2		2	A. So there you go.
	asked me a question.	3	Q my question is, why is Cobblestone
4			Center making a payment to a county tax office that
5			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
	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	
	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
	welcome to make relevance objections. I would like		answer.
	an answer to my question from Mr. Johnson.	17	Would you please read it back?
18		18	A. The fact is I don't know what the check is
	relevance; it's to the scope of the deposition for		for. I'd I'd have to go back and look anyway. I
	which we've produced this witness here today to talk		don't know what that is for. It might be that we
	about his report, and I can see no connection. I can	21	Q. Stop.
	see no probable connection at all between Cobblestone	22	A. We have a little
	paying a tax bill and bias.	23	Q. Stop. Stop. Stop. Please let the court
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
	D 010		
	Page 210		
	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
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1	Page 213 to a county tax office that has anything to do	1	Page 215 do I think that a payment to Randy Johnson for
1	with the NP Johnson Family Limited		commission or anything has any reflection of bias
3	Partnership?")		related to an expert report for which today's
4	MR. SNUFFER: To which I object because		deposition was scheduled.
5		5	Q. (BY MS. HEALY GALLAGHER) Mr. Johnson,
	today.	-	what is this commission for from Cobblestone Center?
7	If you know an answer and you're certain	7	
	of it and you think it relates to your bias, you can	-	to my accountants for all of that. I you'd have
9	answer.		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	Q. Mr. Johnson, answer the question.		entity?
13	A. I don't know the answer to it. I have not	12	-
	a clue. I don't even know what the I've never		Cobblestone does or doesn't do is Cobblestone's
	seen the check before. So I don't even know what it		
			prerogative, according to the bylaws, and it can sell
	is. Whether it's relevant or whether it's not		product if it chooses to.
18	relevant, I wouldn't know.	17	Q. And, Mr. Johnson, you are the manager for
	I have accounting people that take care of all of that nonsense for me.	10	Cobblestone Center; isn't that right? A. That is correct.
20	Did I say the same thing about the judge?	20	Q. So what, if anything, does Cobblestone
21	Where does the judge get his paycheck from?		center sell?
	MR. SNUFFER: There is no pending	22	MR. SNUFFER: I'm objecting because he's
23	question.		not in here today in his capacity as a manager of
	THE WITNESS: Oh. I'm just asking. If		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
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2	MRS. JOHNSON: Neldon. MR. SNUFFER: I'm just saying, they are	2	testify about an expert report that he prepared. THE WITNESS: They sell pipe.
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	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
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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.
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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.
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2	IAS system was? A. If he was qualified in his area of	1 2 3	MS. HEALY GALLAGHER: Objection. Leading. THE WITNESS: Yes.
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1	THE WITNESS: Yes.	1	REPORTER'S CERTIFICATE	C
2	Q. (BY MR. SNUFFER) Did Mr. Mancini ask to	2	STATE OF UTAH)) ss.	
3	perform any of those tests on your system?		COUNTY OF SALT LAKE)	
4	MS. HEALY GALLAGHER: Objection. Leading.	5 6	L Down M. Dorny, Cartified Shorthand	
5	THE WITNESS: No.		I, Dawn M. Perry, Certified Shorthand Reporter and Notary Public in and for the State of	
6	Q. (BY MR. SNUFFER) As far as you know, did	8	Utah, do hereby certify:	
7	Mr. Mancini perform any of the tests on your system?	9 10	That prior to being examined, the witness,	
8	MS. HEALY GALLAGHER: Objection. Leading.	11	NELDON JOHNSON, was by me duly sworn to tell the	
9	THE WITNESS: No.		truth, the whole truth, and nothing but the truth;	
10	Q. (BY MR. SNUFFER) You testified that	13	That said deposition was taken down by me	
11		14	in stenotype on October 3, 2017, at the place therein	
12		15	named, and was thereafter transcribed and that a true and correct transcription of said testimony is set	
13	A. Yes.	15	forth in the preceding pages.	
14	Q. With respect to the Salem U-Check store	16	I further cortific that in accordance with	
15	use for three months of the generator to power the	17	I further certify that, in accordance with Rule 30(e), a request having been made to review the	
	store, was anything paid?		transcript, a reading copy was sent to Denver C.	
17	A. Yes.	18	Snuffer, Attorney at Law, for the witness to read and 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	
19		~~	Law.	
20	MS. HEALY GALLAGHER: Objection. Leading.	20	I further certify that I am not kin or	
21	THE WITNESS: No, I I'm here on behalf	21	otherwise associated with any of the parties to said	
22	of myself, and I personally did not pay anybody. As	22	cause of action and that I am not interested in the outcome thereof.	
	a manager of one of the companies or the CEO of one		WITNESS MY HAND this 16th day of October,	
	of the companies, there was money paid, but not as	23 24	2017. Down M. Dorne CCR	
	myself personally, as referenced in this deposition	24 25	Dawn M. Perry, CSR	
	Page 230		D	200 232
1	Page 230	1		age 232
	that I at the beginning of the deposition I made	1	ACKNOWLEDGMENT OF DEPONENT	age 232
2	that I at the beginning of the deposition I made it clear that I was only going to answer questions or	2	ACKNOWLEDGMENT OF DEPONENT	age 232
2	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	age 232
2 3 4	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 as an expert in these fields.	2 3 4	ACKNOWLEDGMENT OF DEPONENT I,, do hereby acknowledge that I have read and examined the	age 232
2 3 4 5	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 as an expert in these fields. MR. SNUFFER: Okay. With that	2 3 4 5	ACKNOWLEDGMENT OF DEPONENT I,, do hereby acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct	age 232
2 3 4 5 6	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 as an expert in these fields. MR. SNUFFER: Okay. With that clarification, I don't have any other questions.	2 3 4 5 6	ACKNOWLEDGMENT OF DEPONENT I,, do hereby acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct and complete transcription of the testimony given by	-
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