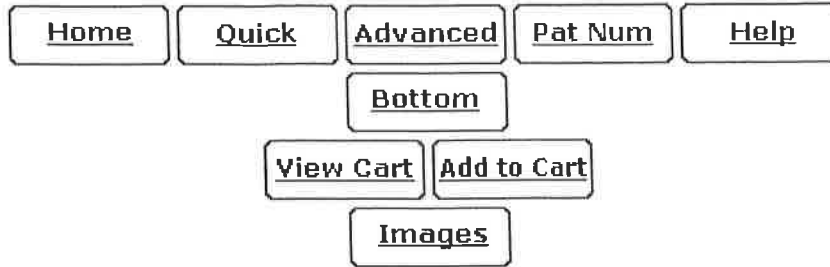


USPTO PATENT FULL-TEXT AND IMAGE DATABASE

(1 of 1)

United States Patent
Johnson

6,997,674
February 14, 2006

Pressurized fluid turbine engine

Abstract

A bladeless pressurized fluid turbine engine having a bladeless turbine, internal, concentric or circumferential shaft fluid ways which transmit pressurized gas to the turbine, and a pressurized fluid intake assembly. The intake assembly has a fixed outer housing, two or more shaft seals sealing between the shaft and the outer housing forming fluid supply chambers between adjacent shaft seals, and a pair of shaft bearings bearing between the shaft and the outer housing. The outer housing has one or more fluid intake ports for each fluid supply chamber and each shaft fluid way has a shaft fluid intake which is hydraulically connected to a fluid supply chamber.

Inventors: Johnson; Neldon P. (Salem, UT)

Assignee: N. P. Johnson Family Limited Partnership (Salem, UT)

Family ID: 35239588

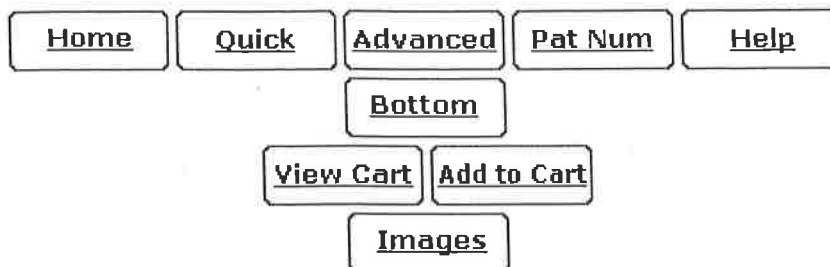
Appl. No.: 10/839,697

Filed: May 4, 2004

Current U.S. Class: 415/80; 415/104; 415/115
Current CPC Class: F01D 1/32 (20130101); F03B 3/00 (20130101); Y02E 10/223 (20130101)
Current International Class: F01D 1/32 (20060101)
Field of Search: ;415/80,90,115,104,202 ;60/39.34,39.35

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<u>890392</u>	June 1908	Adams
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<u>569997</u>	October 1951	Kollsman
<u>3026088</u>	March 1962	Green
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USPTO PATENT FULL-TEXT AND IMAGE DATABASE

(1 of 1)

United States Patent
Johnson

7,314,347
January 1, 2008

Pressurized fluid bladeless turbine engine with opposing fluid intake assemblies

Abstract

A bladeless pressurized fluid turbine engine having a bladeless turbine, internal, concentric or circumferential shaft fluid ways which transmit pressurized gas to the turbine, and a pair of opposing pressurized fluid intake assemblies. Each intake assembly has a fixed outer housing, two or more shaft seals sealing between the shaft and the outer housing forming fluid supply chambers between adjacent shaft seals, and a pair of shaft bearings bearing between the shaft and the outer housing. The outer housing has one or more fluid intake ports for each fluid supply chamber and each shaft fluid way has a shaft fluid intake which is hydraulically connected to a fluid supply chamber.

Inventors: Johnson; Neldon P. (Salem, UT)

Assignee: N.P. Johnson Family Limited Partnership (Salem, UT)

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Prior Publication Data**Document Identifier**

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Nov 10, 2005

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Current International Class:

F03B 3/00 (20060101)

Field of Search:

;415/80,90,115,104,202 ;60/39.34,39.35

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824113

June 1906

Groshon

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