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[Continued on next page]

(54) Title: HIGH TEMPERATURE DYNAMIC SEAL

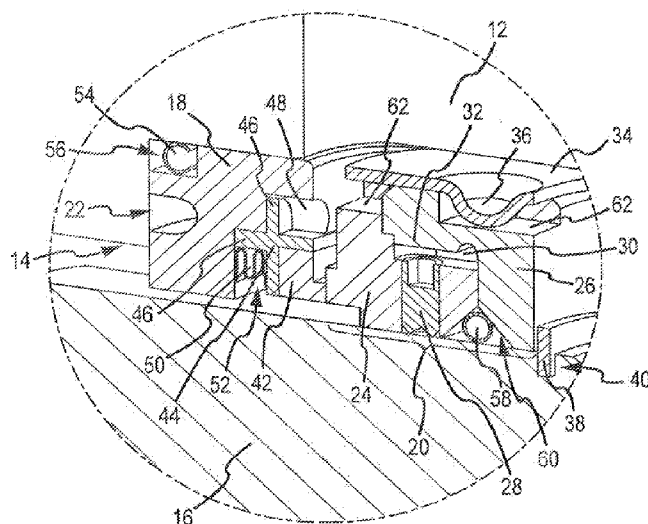


FIG. 2

(57) Abstract: A high temperature dynamic seal and methods of assembly and use are presented. In one embodiment, the dynamic seal is provided as a rotating seal, which includes a stationary ring and rotating ring assembly, with a seal ring that is positioned between the stationary ring member and the rotating ring assembly. In some embodiments, one or more high temperature seals create a seal between the stationary ring member and a device in which the dynamic seal is used. Similarly one or more high temperature seals create a seal between the rotating ring assembly and a rotating shaft of the device. In one aspect, one or more of the high temperature seals are formed from a metallic material with various cross-sectional shapes.



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INTERNATIONAL SEARCH REPORT

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PCT/US2009/038608**A. CLASSIFICATION OF SUBJECT MATTER*****F16J 15/34(2006.01)i, F16J 15/16(2006.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: F16J 15/34, F16J 15/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO Internal) & keywords : seal, rotary, stationary, ring, shaft, couple and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4659092 A (NEIL M. WALLACE and JACOBUS A. M. TEN HOUTE DE LANGE) 21 April 1987 See Claim 1 and Figure 1.	1-27
A	US 2002-0074731 A1 (KARL E. UTH) 20 June 2002 See Claim 1 and Figure 1.	1-27
A	US 2005-0189722 A1 (ALAN JAMES RODDIS) 1 September 2005 See Claim 1 and Figures 1 and 2.	1-27



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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