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(54) Title: SEAL ASSEMBLY FOR A TURBO MACHINE

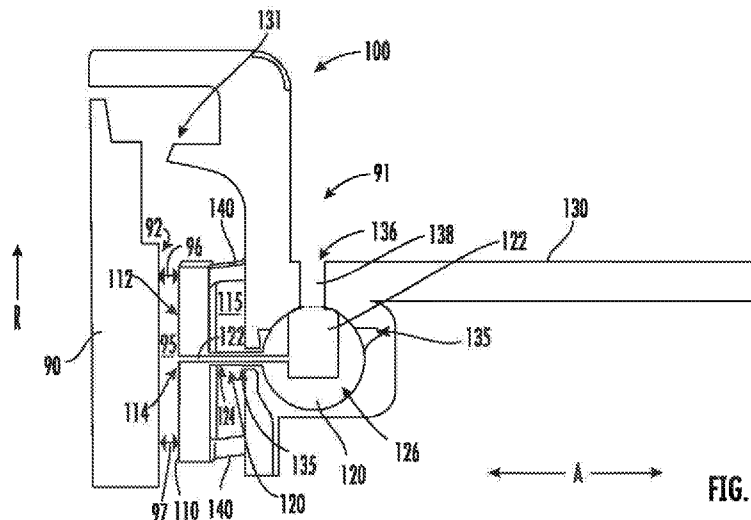


FIG. 2

(57) Abstract: An aspect of the present disclosure is directed to a seal assembly (100). The seal assembly (100) includes a fluid bearing wall (110) including a bearing face (112) defining a fluid opening (114) through the fluid bearing wall (110). The seal assembly (100) further includes a tilt member (120) is extended from and attached to the fluid bearing wall (110). The tilt member (120) defines a fluid passage (122) therethrough in fluid communication with the fluid opening (114) at the bearing face (112) of the fluid bearing wall (110). The seal assembly (100) still further includes a seal body (130) surrounding the tilt member (120). A cavity (135) is defined between the tilt member (120) and the seal body (130). The seal assembly (100) further includes a spring member (140) coupled to the seal body (130) and the fluid bearing wall (110). A passage (115) is defined between the fluid bearing wall (110) and the seal body (130).



TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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 ADD.  
 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)  
 F01D F16J

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

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 383 033 A (MOORE CLINTON C) 14 May 1968 (1968-05-14) column 2, line 60 - column 6, line 7; figures 1-5	1-15
A	WO 2014/081901 A1 (NEW WAY MACHINE COMPONENTS INC [US]) 30 May 2014 (2014-05-30) paragraph [0113] - paragraph [0115]; figures 8A, 8B	1-15
A	US 2018/135759 A1 (HOEHLE NEIL F [US] ET AL) 17 May 2018 (2018-05-17) paragraph [0055] - paragraph [0058]; figures 5-7	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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