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(54) Title: METHOD OF SECURING A SEALING DEVICE TO A HOUSING WITH A LIMITED BORE DIAMETER

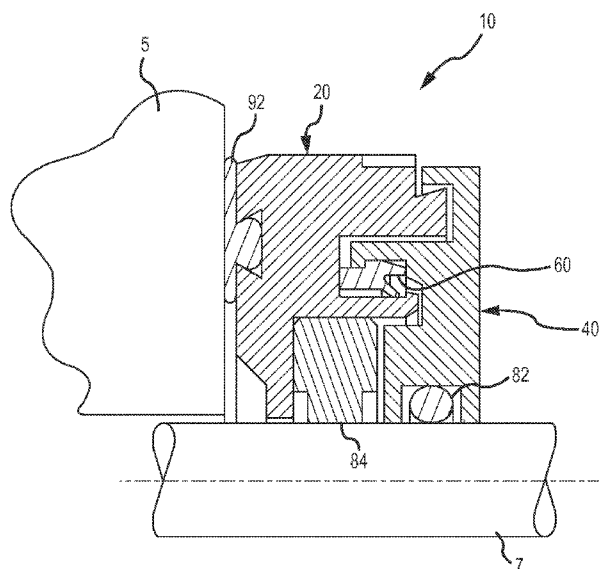


FIG. 1

(57) Abstract: An apparatus including a seal and a grounding ring along with methods for securing such an apparatus to the housing of a motor. The apparatus comprises an electrically conductive stator including a groove formed in a face thereof. A rotor mates with the stator, wherein the rotor includes a seal groove formed around an inner radius thereof and further comprising a rotor seal disposed in the seal groove. A seal ring is interposed between the stator and the rotor. The stator engages the seal ring around an inner circumference of the seal ring and the rotor engages the seal ring around an outer circumference of the seal ring. A grounding ring is interposed between the stator and the rotor, wherein the grounding ring is electrically coupled to the stator. An electrically conductive adhesive is included for application into the groove and onto the face.



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A. CLASSIFICATION OF SUBJECT MATTER***H02K 5/16(2006.01)i***

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H02K 5/16; F16J 15/447; F16J 15/32; F16J 15/16; F16J 15/44

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: seal, conductive adhesive, groove, motor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2007-0138748 A1 (DAVID ORLOWSKI et al.) 21 June 2007	1-2,5-7,9-21
Y	See the abstract, paragraphs 56-61, 65-67, claims 1-12, 59-63 and figs. 2,4,5.	4,8
A		3,22
Y	US 2007-0013142 A1 (ELIZABETH CHITREN) 18 January 2007	4,8
A	See the abstract, paragraphs 23-25, 27, 30-33, claims 1, 15 and figs. 1,3.	1-3,5-7,9-22
A	US 05069461 A (DAVID C. ORLOWSKI) 03 December 1991	1-22
	See the abstract, claims 1, 8, 14 and figs. 1,2.	
A	US 2010-0219585 A1 (ALAN JAMES RODDIS et al.) 02 September 2010	1-22
	See the abstract, paragraphs 146, 153, 214, claims 23, 25, 34 and figs. 3-11.	
A	US 2010-0201075 A1 (ALAN JAMES RODDIS et al.) 12 August 2010	1-22
	See the abstract, paragraphs 48, 49, 53, claim 15 and figs. 1-3.	



Further documents are listed in the continuation of Box C.



See patent family annex.

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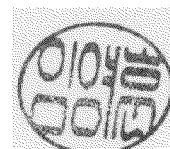
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