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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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(54) Title: LABYRINTH SEAL WITH REPLACEABLE INNER LINER/RING

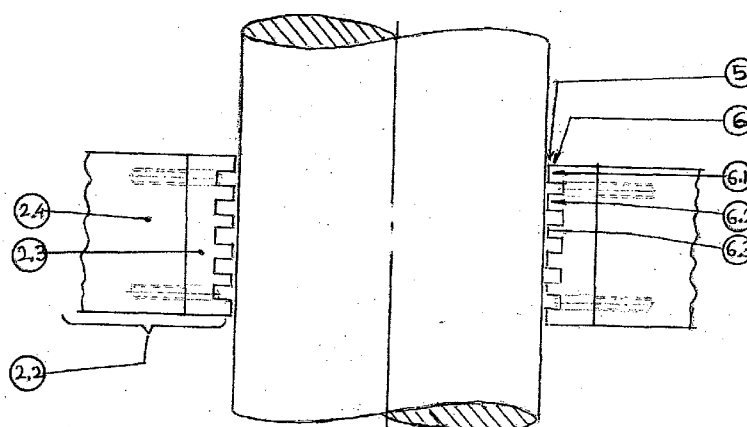


Figure [2]

(57) Abstract: The "LABYRINTH SEAL WITH REPLACEABLE INNER LINER/ RING", comprises totally brand new seal(2.2) comprising parts(2.3) & (2.4); Provision is made in part(2.4) to fix new Replaceable Inner Liner within item(2.4). The reconditioning of the worn out Seal is done without discarding the Seal. The reconditioning of old Seal will yield to reconditioned-new-seal. The worn Ring/s of the Seal is machined clean; item(2.1) is converted into item(2.4) to accept new Replaceable Inner Liner resulting into Seal(2.2). The New Replaceable Inner Liner is fixed inside NEW or RECONDITIONED Seal. The subsequent replacement of worn Replaceable Ring by new Replaceable Ring is easy, simple, without discarding the outer-body of Labyrinth Seal. Optionally, replaceable inner Liner is made having Helical/Inclined Ring/s. The Contact-Surface of the Ring/s facing the Surface of the Shaft, is coated with material/s with improved properties.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F16L33/00, F01D11/02

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)

FAMPAT, IPO Internal Patent database

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP2010014230 A (KOSUKE Isomura), Jan 21, 2010 Abstract, Paragraph [04-07]	1-6
Y	US 5527045 A (Mark A. Pondelick), Jun 18, 1996 Figure [05 & 06], Paragraph-32	1, 4
Y	WO 1996005331 A1 (Jaakko Tenkula), Feb 22, 1996 Abstract, Paragraph-04	2-3
Y	US 3291496 A (Sumner D Wiltse), Dec 13, 1966 Figure-04, Paragraph-02	5
Y	US 3537713 A (Jennifer V Matthews), Nov 3, 1970 Figure-02, Paragraph-19	6

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT
Information on patent family members

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Citation	Pub.Date	Family	Pub.Date
US 5527045 A	18-06-1996	CA 2061074 A1	30-09-1992
US 5527045 A	18-06-1996	CA 2061074 C	31-08-1999