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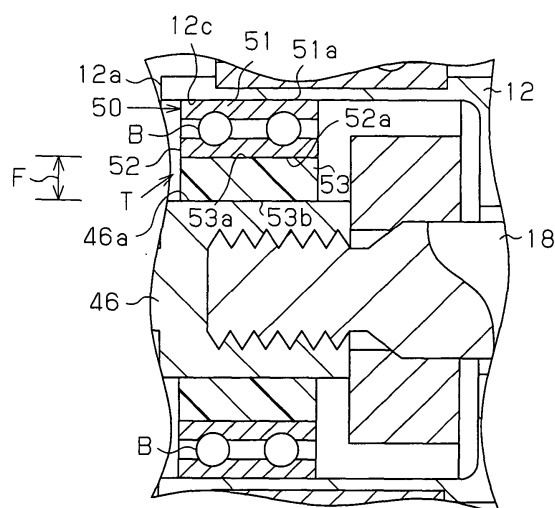
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(54) **Bearing structure in rotating machine**

(57) A bearing structure in a rotating machine is disclosed. The bearing structure includes a radial bearing 50 and a damper member 53. The radial bearing is provided in a protruding cylindrical portion 12a of a housing 12, and supports a distal end portion of a rotary shaft 18, which is rotatably supported by the housing. The damper member 53 is provided in a clearance F formed between an inner circumferential surface 52a of the radial bearing 50 and an outer circumferential surface 46a of a first rotor opposing to the inner circumferential surface in a radial direction, or between an outer circumferential surface 51a of the radial bearing and an inner circumferential surface 12c of the protruding cylindrical portion opposing to the outer circumferential surface in the radial direction. The damper member is pressed against the inner circumferential surface and the outer circumferential surface opposing to each other with the damper member in between.

Fig.2





EUROPEAN SEARCH REPORT

Application Number
EP 07 02 1251

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 24 August 2011	Examiner Durante, Andrea
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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