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[Continued on next page]

(54) Title: FRICTION TORQUE BARCODE

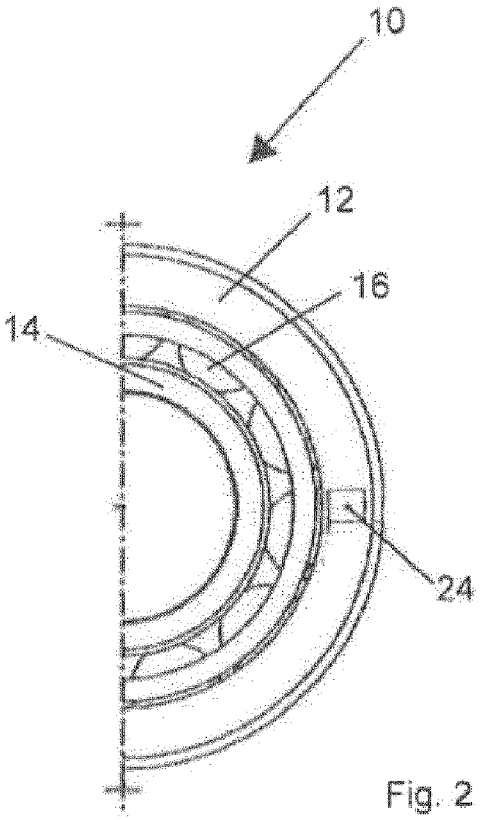


Fig. 2

(57) Abstract: A method to ascertain measured friction torque to a bearing and a method to reduce preload variation of a bearing pair or set. Friction torque of a bearing is measured at a known load and speed. The value of the measured friction torque is then printed in a data matrix (24) that is then applied to the bearing that was measured. Prior to assembling the bearings on a shaft system, the data matrix is read. The targeted friction torque is calculated for the shaft system based on the desired assembly preload. The bearing preload is then set and verified by measuring the friction torque of the pair of bearings assembled on the shaft. As a result of the method, bearing friction torque variation is substantially mitigated.

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INTERNATIONAL SEARCH REPORT

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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)
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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.
X A	JP 2002 227863 A (KOYO SEIKO CO) 14 August 2002 (2002-08-14) paragraphs [0003], [0004], [0011], [0013]; figures	1-10 11
A	US 7 979 327 B2 (IKEDA TAKESHI [JP] ET AL) 12 July 2011 (2011-07-12) column 6, lines 18-33; figures	1-11
A	JP 2011 094706 A (NTN TOYO BEARING CO LTD) 12 May 2011 (2011-05-12) paragraphs [0014] - [0016]; figures	1,2,5-7, 10,11
A	US 2009/304318 A1 (KONNO KATSUHIRO [JP] ET AL) 10 December 2009 (2009-12-10) paragraphs [0288] - [0291]; figures 21-22	1,2,4-7, 9-11

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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