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[Continued on next page]

(54) Title: MULTI-THICKNESS FILM LAYER BEARING CARTRIDGE AND HOUSING

(57) Abstract: An exemplary squeeze film bearing cartridge (400) for a turbocharger includes a center section (406), two outer sections (412, 414') having a first outer diameter and two intermediate sections (410, 410') having a second outer diameter, the intermediate sections (410, 410') positioned intermediate the center section (406) and a respective one of the outer sections (412, 414') and wherein the first outer diameter exceeds the second outer diameter. Various exemplary bearing cartridges, housings, assemblies, etc., are also disclosed.
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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16 February 2006
# INTERNATIONAL SEARCH REPORT

**A. CLASSIFICATION OF SUBJECT MATTER**

F16C19/18  F16C27/04  F01D25/16  F16F15/023

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  F16C  F16F

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

Electronic database consulted during the international search (name of database and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
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<th>Category</th>
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<td>PATENT ABSTRACTS OF JAPAN vol. 2002, no. 02. 2 April 2002 (2002-04-02) - &amp; JP 2001 303964 A (ISHIKAWAJIMA HARIMA HEAVY IND CO LTD. 31 October 2001 (2001-10-31) abstract; figure 2</td>
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| A        | column 2, line 65 - column 3, line 4; figure 3                                  | 13                    |

**X** Further documents are listed in the continuation of box C.  
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**Date of the actual completion of the international search**

28 November 2005

**Date of mailing of the international search report**

05/12/2005

**Name and mailing address of the ISA**

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