

Title (en)  
MAGNETIC BEARING WITH DAMPING

Title (de)  
MAGNETLAGERUNG MIT DÄMPFUNG

Title (fr)  
SYSTEME DE PALIER MAGNETIQUE A AMORTISSEMENT

Publication  
**EP 1280997 A2 20030205 (DE)**

Application  
**EP 01936224 A 20010411**

Priority  
• DE 10022061 A 20000506  
• EP 0104166 W 20010411

Abstract (en)  
[origin: DE10022061A1] The magnetic bearing arrangement consists of mutually-concentrically arranged annular magnet stacks (5-8), in which the positionally-fixed stack (5 or 7) is arranged outside, and the rotating stack (6 or 8) is arranged on the inside. Damping devices (32) are assigned to the external peripheral surfaces of at least one part of the magnetic rings of the respective stator-side annular magnetic stack (5,7), and consists of non-magnetizable, effectively electrically-conducting material.

IPC 1-7  
**F04D 29/04**

IPC 8 full level  
**F04D 29/056** (2006.01); **F04D 19/04** (2006.01); **F04D 29/058** (2006.01); **F16C 32/04** (2006.01); **F16C 39/06** (2006.01); **H02K 5/128** (2006.01); **H02K 7/09** (2006.01)

CPC (source: EP US)  
**F04D 19/042** (2013.01 - EP US); **F04D 19/048** (2013.01 - EP US); **F04D 29/058** (2013.01 - EP US); **F16C 32/0425** (2013.01 - EP US); **F16C 32/0436** (2013.01 - EP US); **F16C 32/047** (2013.01 - EP US); **F16C 32/0478** (2013.01 - EP US); **F16C 2360/45** (2013.01 - EP US)

Citation (search report)  
See references of WO 0186151A2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 10022061 A1 20011108**; EP 1280997 A2 20030205; JP 2003532838 A 20031105; US 2003155830 A1 20030821; US 6833643 B2 20041221; WO 0186151 A2 20011115; WO 0186151 A3 20020321

DOCDB simple family (application)  
**DE 10022061 A 20000506**; EP 0104166 W 20010411; EP 01936224 A 20010411; JP 2001582724 A 20010411; US 27545903 A 20030421