

Title (en)  
MAGNETIC BEARING HAVING A ROTATING FIELD AND METHOD

Title (de)  
MAGNETLAGER MIT DREHFELD UND VERFAHREN

Title (fr)  
PALIER MAGNÉTIQUE À CHAMP ROTATIF ET PROCÉDÉ

Publication  
**EP 2705264 A1 20140312 (DE)**

Application  
**EP 12725694 A 20120529**

Priority  
• DE 102011077488 A 20110614  
• EP 2012059997 W 20120529

Abstract (en)  
[origin: WO2012171782A1] Eddy current losses in a radial magnetic bearing should be reduced. For this purpose the invention relates to a magnetic bearing having a stator (3) which comprises electromagnets, a rotor (6) which rotates at a rotational speed in or about the stator (3), and a control unit for controlling the electromagnets of the stator (3) in such a way that the rotor (6) is mounted magnetically in or on the stator. The electromagnets of the stator (3) can be controlled by the control unit in particular in such a way that a magnetic field generated thereby rotates at substantially the same rotational speed as the rotor (6).

IPC 8 full level  
**F16C 32/04** (2006.01)

CPC (source: EP)  
**F16C 32/0444** (2013.01); **F16C 32/0463** (2013.01); **F16C 32/048** (2013.01)

Citation (search report)  
See references of WO 2012171782A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102011077488 A1 20121220**; BR 112013032163 A2 20161213; EP 2705264 A1 20140312; RU 2014100905 A 20150720;  
WO 2012171782 A1 20121220

DOCDB simple family (application)  
**DE 102011077488 A 20110614**; BR 112013032163 A 20120529; EP 12725694 A 20120529; EP 2012059997 W 20120529;  
RU 2014100905 A 20120529