

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

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Application
EP 12725694 A 20120529

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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).

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