Title (en)

MAGNETIC RELUCTANCE COUPLING HAVING TWO ROTORS

Title (de)

MAGNETISCHE RELUKTANZKUPPLUNG MIT ZWEI ROTOREN

Title (fr)

ACCOUPLEMENT À RÉLUCTANCE MAGNÉTIQUE À DEUX ROTORS

Publication

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Application

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Abstract (en)

[origin: WO2013143766A2] The invention intends to provide a simply designed magnetic coupling. For this purpose, the invention relates to a magnetic reluctance coupling for coupling a first shaft (1) to a second shaft (2), having a hollow cylindrical stator (3) which has at least one magnet (10) that is/are distributed around the circumference of the stator. The reluctance coupling also has a first rotor (4), which is supported in such a way that it can rotate within the stator (3), is connected to a first shaft (1) in a rotationally fixed manner, and has a plurality of ferromagnetic first portions distributed around the circumference thereof and spatially separated from one another, as well as a second rotor (5), which is supported in such a way that it can rotate within the first rotor (4), is connected to the second shaft (2) in a rotationally fixed manner, and has a plurality of ferromagnetic second portions distributed around the circumference thereof.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2013143766A2

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