

Title (en)
MAGNETIC COUPLING DEVICE BETWEEN TWO ELEMENTS

Title (de)
MAGNETKUPPLUNGSVORRICHTUNG ZWISCHEN ZWEI ELEMENTEN

Title (fr)
DISPOSITIF DE COUPLAGE MAGNETIQUE ENTRE DEUX ELEMENTS

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Application
EP 05817400 A 20051110

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• FR 0412138 A 20041116

Abstract (en)
[origin: WO2006053965A1] The invention relates to a coupling device (22) which is disposed between a driving element that is intended to rotate a driven element which is mounted to the driving element by means of a bearing comprising two concentric rings (24, 25). According to the invention, at least one row of rolling elements (26) is disposed between the aforementioned rings, such as to be in contact with the raceways provided thereon. Torque is transferred between the driving element and the driven element by means of a coupling using magnetic fields. The bearing comprises a magnetised hoop (28) which is fixed to one of the bearing rings and a hoop (29) which is fixed to the other bearing ring, said hoops co-operating magnetically and being disposed opposite one another with a gap therebetween.

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