Title (en)

MAGNETIC SYSTEM FOR CONTROLLING THE OPERATING MODE OF AN OVERRUNNING COUPLING ASSEMBLY AND OVERRUNNING COUPLING AND MAGNETIC CONTROL ASSEMBLY HAVING SAME

Title (de)

MAGNETSYSTEM ZUR STEUERUNG DER BETRIEBSART EINER FREILAUFKUPPLUNG SOWIE FREILAUFKUPPLUNG UND MAGNETISCHE STEUERUNGSANORDNUNG DAMIT

Title (fr)

SYSTÈME MAGNÉTIQUE POUR COMMANDER LE MODE DE FONCTIONNEMENT D'UN ENSEMBLE D'ACCOUPLEMENT À ROUE LIBRE ET ACCOUPLEMENT À ROUE LIBRE ET ENSEMBLE DE COMMANDE MAGNÉTIQUE L'AYANT

Publication

EP 3039310 A1 20160706 (EN)

Application

EP 14839279 A 20140610

Priority

- US 201361870434 P 20130827
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- US 2014041631 W 20140610

Abstract (en)

[origin: WO2015030899A1] A magnetic system for controlling the operating mode of an overrunning coupling assembly is provided. The system includes a ferromagnetic or magnetic element received within a pocket in an uncoupling position and is movable outwardly from the pocket to a coupling position. The element controls the operating mode of the coupling assembly. An armature is connected to the element to move the element between the coupling and uncoupling positions. A magnetic field sensor is disposed adjacent and stationary with respect to the element for sensing magnetic flux to produce an output signal which is based on the position of the element. A variable magnetic field is generated in response to movement of the element between the coupling and uncoupling positions.

IPC 8 full level

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CPC (source: EP)

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