

Title (en)

EDDY CURRENT BRAKE FOR BRAKING A ROTATING ELEMENT, IN PARTICULAR A SHAFT, COMPRISING AT LEAST ONE ROTOR DISK, AND ASSEMBLY HAVING SUCH AN EDDY CURRENT BRAKE

Title (de)

WIRBELSTROMBREMSE ZUM BREMSSEN EINES ROTIERENDEN ELEMENTES, INSBESONDERE EINER WELLE, MIT ZUMINDEST EINER ROTORSCHIBE UND ANORDNUNG MIT EINER DERARTIGEN WIRBELSTROMBREMSE

Title (fr)

FREIN À COURANT DE FOUCAULT PERMETTANT DE FREINER UN ÉLÉMENT TOURNANT, EN PARTICULIER UN ARBRE, COMPORTANT AU MOINS UN DISQUE DE ROTOR, ET ENGIN POURVU D'UN TEL FREIN À COURANT DE FOUCAULT

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Abstract (en)

[origin: WO2014198541A2] The invention relates to an eddy current brake (5; 105; 205; 305) for braking a rotating element (2), in particular a shaft, comprising at least one rotor disk (6; 106; 206; 306). In order to ensure that the strength and stiffness of the rotor disk are not detrimental to the magnetic permeability of the rotor disk and the electrical conductivity of the rotor disk, the at least one rotor disk (6; 106; 206; 306) according to the invention has a first partial disk (31; 131; 231; 331) and a second partial disk (32; 132; 232; 332), wherein the two partial disks differ in regard to the material of which they are composed. The invention further relates to an assembly, in particular a rail vehicle, comprising such an eddy current brake.

IPC 8 full level

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