

Title (en)

Process for producing a ferromagnetic compact, ferromagnetic compact and its utilisation

Title (de)

Verfahren zur Herstellung eines ferromagnetischen Presskörpers sowie ferromagnetischer Presskörper und Verwendung dieses Presskörpers

Title (fr)

Procédé de fabrication d'un compact ferromagnétique, compact ferromagnétique et son utilisation

Publication

**EP 0936638 A2 19990818 (DE)**

Application

**EP 99102027 A 19990201**

Priority

DE 19805812 A 19980212

Abstract (en)

A ferromagnetic composite body is produced by hot pressing a homogeneous mixture of a soft magnetic material powder and a glass-solder pressing aid which is viscous at the pressing temperature. A ferromagnetic composite body is produced by hot pressing a homogeneous mixture of a soft magnetic material powder and a glass-solder pressing aid which is viscous at the pressing temperature. An Independent claim is also included for a pressed ferromagnetic composite body produced by the above process. Preferred Features: The soft magnetic powder consists of rapidly solidified metallic glass especially with an Fe content of more than 70 at. %.

Abstract (de)

Verfahren zur Herstellung eines ferromagnetischen Preßkörpers aus pulverigem metallischen Material für weichmagnetische Anwendungen, insbesondere eines Magnetkerns, und aus einem Preßhilfsmittel, bei dem während des Pressens eine vorbestimmte Temperatur eingestellt wird, wobei als Preßhilfsmittel ein bei der gegebenen Preßtemperatur viskoses, bei Abkühlung erhärtendes Mittel verwendet wird.

IPC 1-7

**H01F 41/02**; H01F 1/28; H01F 1/153; H01F 3/08

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1083580A3; EP3613872A1; EP1826783A1; US6368423B1; US8327524B2; WO2006042778A1; US8372218B2; US8287664B2; US8298352B2

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