

Title (en)

Method for producing of massive magnet bodies

Title (de)

Verfahren zur Herstellung massiver Magnetkörper

Title (fr)

Procédé pour la fabrication des corps magnétiques massifs

Publication

EP 0838289 B1 20021218 (DE)

Application

EP 97117634 A 19971011

Priority

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Abstract (en)

[origin: US5932032A] A process by which solid magnet bodies can be efficiently produced from materials with soft magnetic properties using the die casting process is disclosed. The process is characterized in that an alloy comprising the alloy constituents of the soft magnetic material in addition to one or more elements lowering the melting point is used as a starting material, and in that the additional elements are at least partially extracted from the magnet bodies that are produced from this alloy by the die casting method subsequently by a heat treatment in a reactive atmosphere. The process is applicable for the production of soft magnetic magnet bodies for relays, transformers, magnet valves, actuators, and other electromagnetic products.

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