

Title (en)

A RARE EARTH-BASED PERMANENT MAGNET

Publication

EP 0237416 B1 19891108 (EN)

Application

EP 87400473 A 19870304

Priority

JP 4924586 A 19860306

Abstract (en)

[origin: EP0237416A1] A power-metallurgically sintered rare earth-based permanent magnet, e.g. neodymium-iron-boron magnet, can be imparted with a great increased coercive force with little decrease in the residual magnetization when the powder to be subjected to sintering is a mixture of a powder of the first alloy of neodymium, iron and boron with a minor amount of a powder of the second alloy composed of a heavy rare earth element, e.g. dysprosium, and an alloying element selected from the group consisting of aluminum, niobium, zirconium, vanadium, tantalum and molybdenum in a limited proportion.

IPC 1-7

C22C 19/07; **C22C 38/00**; **H01F 1/08**

IPC 8 full level

C22C 1/04 (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **H01F 1/057** (2006.01); **H01F 1/08** (2006.01)

CPC (source: EP)

C22C 1/0441 (2013.01); **C22C 33/0278** (2013.01); **H01F 1/0577** (2013.01)

Cited by

GB2232165A; CN104347218A; CN110483031A; EP0265006A1; EP2141710A1; EP0344542A3; FR2632766A1; EP0255939A3; EP1860668A4; US8123832B2; US8002906B2; US7244318B2; US7571757B2; US7442262B2; US8177921B2

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