

Title (en)

Bonded rare earth-iron magnets.

Title (de)

Gebundene seltene Erden-Eisen-Magnete.

Title (fr)

Aimants comportant des particules du système terre rare-fer et un liant.

Publication

EP 0125752 A2 19841121 (EN)

Application

EP 84301453 A 19840306

Priority

US 49262983 A 19830509

Abstract (en)

This invention discloses permanent bonded magnets of very finely crystalline, melt-spun, rare earth-iron alloys. They are formed by compacting particles of the alloys into compacts (12), which are then fixed in shape by suitable binding agents (22), and are then magnetized. The compacts (12) are magnetically isotropic.

IPC 1-7

H01F 1/08

IPC 8 full level

C22C 38/00 (2006.01); **C22C 45/02** (2006.01); **H01F 1/053** (2006.01); **H01F 1/057** (2006.01); **H01F 1/08** (2006.01)

CPC (source: EP)

H01F 1/0578 (2013.01)

Cited by

DE3642228A1; USRE38042E; EP0284033A1; US4832891A; US5062981A; US6136099A; EP0248665A3; US5026518A; EP0155082A3; DE19531861A1; US5460662A; US5536334A; US4981532A; US5110374A; EP0265006A1; US4921553A; US4952239A; US5085715A; GB2241701A; US5149477A; GB2241701B; US5037492A; EP0255816A3; US5076861A; US4983232A; US4983231A; US4881988A; US4829277A; EP0242187A1; US4836868A; US5449417A; US5538565A; US5560784A; US5597425A; US5186761A; US5565043A; US4935075A; USRE38021E; WO8905032A1

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0125752 A2 19841121; **EP 0125752 A3 19870128**; **EP 0125752 B1 19891206**; AU 2595884 A 19841115; AU 571497 B2 19880421; BR 8402029 A 19841218; CA 1216623 A 19870113; DE 3480673 D1 19900111; ES 532283 A0 19850201; ES 8503163 A1 19850201; JP H0420975 B2 19920407; JP S59211549 A 19841130; MX 167657 B 19930401

DOCDB simple family (application)

EP 84301453 A 19840306; AU 2595884 A 19840321; BR 8402029 A 19840430; CA 443441 A 19831215; DE 3480673 T 19840306; ES 532283 A 19840508; JP 9115384 A 19840509; MX 2660584 A 19840402