

Title (en)

RARE EARTH MAGNET AND RARE EARTH MAGNET ALLOY POWDER HAVING HIGH CORROSION RESISTANCE

Publication

EP 0255939 A3 19890531 (EN)

Application

EP 87111257 A 19870804

Priority

- JP 18299886 A 19860804
- US 90173686 A 19860829

Abstract (en)

[origin: EP0255939A2] An (Fe,Co)-B-R tetragonal type magnet and magnet alloy powder having a high corrosion resistance, which have a boundary phase stabilized by Co and Al against corrosion, and which consist essentially of: 0.2 - 3.0 at% Dy and 12 - 17 at% of the sum of Nd and Dy; 5 - 10 at% B; 0.5 - 13 at% Co; 0.5 - 4 at% Al; and the balance being at least 65 at% Fe. 0.1 - 1.0 at% of Ti and/or Nb may be present. The alloy powders can be stabilized.

IPC 1-7

H01F 1/04; **H01F 1/08**; **H01F 1/06**

IPC 8 full level

H01F 1/057 (2006.01)

CPC (source: EP)

H01F 1/0571 (2013.01); **H01F 1/0572** (2013.01); **H01F 1/0577** (2013.01)

Citation (search report)

- [A] EP 0134304 A1 19850320 - SUMITOMO SPEC METALS [JP]
- [XP] EP 0216254 A1 19870401 - TOSHIBA KK [JP]
- [E] EP 0237416 A1 19870916 - SHINETSU CHEMICAL CO [JP]
- PATENT ABSTRACTS OF JAPAN, Vol. 10, No. 209 (E-421)[2265], July 22, 1986; & JP-A-61 048 904 (HITACHI METALS LTD) (10-03-1986)

Cited by

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0255939 A2 19880217; **EP 0255939 A3 19890531**; **EP 0255939 B1 19930728**; CA 1336866 C 19950905; CN 1051865 C 20000426; CN 87106209 A 19880427; DE 3786719 D1 19930902; DE 3786719 T2 19931209

DOCDB simple family (application)

EP 87111257 A 19870804; CA 543678 A 19870804; CN 87106209 A 19870804; DE 3786719 T 19870804