

Title (en)

PERMANENT MAGNET ALLOY FOR ELEVATED TEMPERATURE APPLICATIONS

Publication

**EP 0277416 A3 19900516 (EN)**

Application

**EP 87310200 A 19871119**

Priority

US 1073887 A 19870204

Abstract (en)

[origin: EP0277416A2] A permanent magnet alloy comprises R<sub>2</sub>Fe<sub>14</sub>B, wherein, R is a combination of rare earth elements consisting essentially of, in atomic percent, neodymium 1 to 11 and balance holmium. The alloy may include optional additions of the rare earth elements gadolinium up to 10%, terbium up to 15%, dysprosium up to 16%, erbium up to 18% and thulium up to 13%.

IPC 1-7

**H01F 1/04**

IPC 8 full level

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

CPC (source: EP)

**H01F 1/057** (2013.01)

Citation (search report)

- [A] EP 0134305 A1 19850320 - SUMITOMO SPEC METALS [JP]
- [A] EP 0185439 A1 19860625 - CRUCIBLE MATERIALS CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 367 (E-462)[2424], 9th December 1986; & JP-A-61 164 206 (SEIKO INSTR. & ELECTRONICS LTD) 24-07-1986

Cited by

EP0468449A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0277416 A2 19880810; EP 0277416 A3 19900516; JP S63195246 A 19880812**

DOCDB simple family (application)

**EP 87310200 A 19871119; JP 2143088 A 19880202**