

Title (en)

RARE EARTH ELEMENT (SE)-Fe-B PERMANENT MAGNET AND METHOD FOR THE MANUFACTURE THEREOF

Title (de)

SE-Fe-B-DAUERMAGNET UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

AIMANT PERMANENT CONSTITUE D'UN ELEMENT DES TERRES RARES, DE Fe ET DE B, ET SON PROCEDE DE PRODUCTION

Publication

**EP 0923780 B1 20021106 (DE)**

Application

**EP 97939964 A 19970819**

Priority

- DE 9701784 W 19970819
- DE 19636284 A 19960906

Abstract (en)

[origin: DE19636284A1] Disclosed is a new boron-free, iron-free binding alloy with the composition SE<sub>5</sub>(Co,GA)<sub>3</sub> for the manufacture of SE<sub>2</sub>Fe<sub>14</sub>B permanent magnets.

IPC 1-7

**H01F 1/057**

IPC 8 full level

**B22F 1/00** (2006.01); **B22F 3/00** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **H01F 1/053** (2006.01); **H01F 1/057** (2006.01)

CPC (source: EP KR US)

**H01F 1/057** (2013.01 - KR); **H01F 1/0577** (2013.01 - EP US)

Cited by

CN101958171A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19636284 A1 19980312**; **DE 19636284 C2 19980716**; DE 59708681 D1 20021212; EP 0923780 A1 19990623; EP 0923780 B1 20021106; JP 2000503809 A 20000328; JP 3145415 B2 20010312; KR 20000068482 A 20001125; US 6254659 B1 20010703; WO 9810436 A1 19980312

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**DE 19636284 A 19960906**; DE 59708681 T 19970819; DE 9701784 W 19970819; EP 97939964 A 19970819; JP 51210298 A 19970819; KR 19997001879 A 19990305; US 24298599 A 19990226