

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 A1 19990623 (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 SE₅(Co,GA)₃ for the manufacture of SE₂Fe₁₄B permanent magnets.

IPC 1-7

H01F 1/057

IPC 8 full level

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

Citation (search report)

See references of WO 9810436A1

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