

Title (en)
Hard magnetic material.

Title (de)
Hartmagnetwerkstoff.

Title (fr)
Matériau magnétique dur.

Publication
EP 0334445 A1 19890927 (EN)

Application
EP 89200693 A 19890320

Priority
NL 8800739 A 19880324

Abstract (en)
A hard magnetic material having the composition RE₂Fe_{14-x}Mn_xC, wherein RE is at least one element selected from the group formed by Nd, Pr, Ce and La, and wherein $0.2 \leq x \leq 2$.

IPC 1-7
H01F 1/04

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/04** (2006.01); **H01F 1/053** (2006.01); **H01F 1/058** (2006.01)

CPC (source: EP KR)
H01F 1/00 (2013.01 - KR); **H01F 1/058** (2013.01 - EP)

Citation (search report)

- [AD] JOURNAL OF APPLIED PHYSICS, vol. 61, no. 8, 15th April 1987, pages 3574-3576, American Institute of Physics; N.C. LIU et al.: "High intrinsic coercivities in iron-rare earth-carbon-boron alloys through the carbide or boro-carbide Fe₁₄R₂X(X=BxC_{1-x})"
- [A] MATERIALS LETTERS, vol. 4, nos. 8,9, August 1986, pages 377-380, Elsevier Science Publishers B.V., Amsterdam, NL; N.C. LIU et al.: "High coercivity permanent magnet materials based on iron-rare-earth-carbon alloys"
- [A] JOURNAL OF APPLIED PHYSICS, vol. 52, no. 3, part II, March 1981, pages 2049-2051, American Institute of Physics, New York, US; K. HARDMAN et al.: "Magnetic structures of Y₆(Fe_{1-x}Mn_x)₂₃ compounds"

Cited by
US5478411A

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL

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