Title (en)

Starting material for permanent magnets.

Title (de)

Ausgangsmaterial für Dauermagneten.

Title (fr)

Matériau de déport pour des aimants permanents.

Publication

EP 0304113 A1 19890222 (EN)

Application

EP 88201675 A 19880803

Priority

NL 8701970 A 19870821

Abstract (en)

Hard-magnetic materials having a high crystal anisotropy on a carbide basis of the general formula (RE1-xNdx) Fe14C, wherein RE is a rare earth metal having an atomic number exceeding 61 and 0.50 </= x </= 0.80 have a comparatively high Curie-temperature.

IPC 1-7

H01F 1/04

IPC 8 full level

C22C 38/00 (2006.01); **H01F 1/053** (2006.01); **H01F 1/058** (2006.01)

CPC (source: EP KR)

H01F 1/032 (2013.01 - KR); **H01F 1/058** (2013.01 - EP)

Citation (search report)

- MATERIALS LETTERS, Band 4, Nrs. 8,9, August 1986, Seiten 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"
- JOURNAL OF APPLIED PHYSICS, Band 61, Nr. 8, 15. April 1987, Seiten 3574-3576, American Institute of Physics, New York, US; N.C. LIU et al.: "High intrinsic coercivities in iron-rare earth-carbon-boron alloys through the carbide or boro-carbide Fe14R2X(X=BxC1-x)"

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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