

Title (en)

CORROSION-RESISTANT TM-B-RE TYPE MAGNET AND METHOD OF PRODUCTION THEREOF

Title (de)

KORROSIONSBESTÄNDIGER MAGNET VOM TM-B-RE-TYP UND DESSEN HERSTELLUNGSVERFAHREN

Title (fr)

AIMANT A BASE DE TM-B-RE RESISTANT A LA CORROSION ET PROCEDE DE PRODUCTION DE CET AIMANT

Publication

EP 0447567 B1 19960529 (EN)

Application

EP 90914967 A 19901011

Priority

- JP 26394689 A 19891012
- JP 26963590 A 19901009
- JP 33502889 A 19891226
- JP 9001315 W 19901011

Abstract (en)

[origin: WO9106107A1] A two-phase permanent magnet which has not only excellent magnetic characteristics but also significantly high corrosion resistance. It is manufactured by use of two magnetically useful phases as the starting materials. One is an RE₂TM₁₄B phase having a high residual flux density; the other is a low-melting RE-TM phase and/or RE-TM-B phase which contributes to the improvement of sinterability and has a function of cleaning the main phase grain boundary and a property of causing the resultant material to be an electrochemically noble composition.

IPC 1-7

H01F 1/053

IPC 8 full level

C22C 33/02 (2006.01); **C22C 1/04** (2006.01); **C22C 19/00** (2006.01); **C22C 19/07** (2006.01); **C22C 38/00** (2006.01); **H01F 1/053** (2006.01); **H01F 1/057** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP KR)

C22C 1/0441 (2013.01 - EP); **C22C 19/07** (2013.01 - EP); **H01F 1/053** (2013.01 - KR); **H01F 1/0577** (2013.01 - EP)

Citation (examination)

JP S6393841 A 19880425 - SHINETSU CHEMICAL CO

Cited by

EP0583041A1; CN1044940C; EP0553527A1; EP0601943B1; EP0561650B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9106107 A1 19910502; CA 2044171 A1 19910413; CA 2044171 C 20001212; DE 69027201 D1 19960704; DE 69027201 T2 19961010; EP 0447567 A1 19910925; EP 0447567 A4 19920520; EP 0447567 B1 19960529; JP 2675430 B2 19971112; JP H03250607 A 19911108; KR 920701999 A 19920812; KR 960013029 B1 19960925

DOCDB simple family (application)

JP 9001315 W 19901011; CA 2044171 A 19901011; DE 69027201 T 19901011; EP 90914967 A 19901011; JP 26963590 A 19901009; KR 910700606 A 19910612