

Title (en)

Process for producing Fe-B-R based permanent magnet having a corrosion-resistant film

Title (de)

Verfahren zur Herstellung eines auf R-Fe-B basiertes Dauermagnet mit korrosionsfeste Schicht

Title (fr)

Procédé de fabrication d'un aimant permanent à base de R-Fe-B, pourvu d'un film résistant à la corrosion

Publication

EP 0984464 A3 20000607 (EN)

Application

EP 99116399 A 19990820

Priority

- JP 26247698 A 19980831
- JP 27950798 A 19981001
- JP 28662898 A 19981008
- JP 30373198 A 19981026
- JP 34991598 A 19981209

Abstract (en)

[origin: EP0984464A2] Producing a permanent magnet comprises placing the Fe-B-rare earth based magnet and metal pieces into a treating vessel for vibration and/or agitation. A metal film is formed on the magnet surface, with a sol solution applied to the metal film surface. The sol is produced by hydrolytic reaction, polymerizing metal compound and heat treating the resultant metal oxide film.

IPC 1-7

H01F 41/02; H01F 1/057

IPC 8 full level

H01F 41/02 (2006.01)

CPC (source: EP)

H01F 41/026 (2013.01)

Citation (search report)

- [Y] EP 0502475 A2 19920909 - KANEGAFUCHI CHEMICAL IND [JP], et al
- [YA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11 26 December 1995 (1995-12-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 384 (E - 565) 15 December 1987 (1987-12-15)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 03 29 March 1996 (1996-03-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03 27 February 1998 (1998-02-27)

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EP1455368A4; US7156928B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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