

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 basierten Dauermagneten mit korrosionsfester 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 B1 20040728 (EN)**

Application

**EP 99116399 A 19990820**

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- 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.

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