

Title (en)

Permanent magnet and method of producing the same.

Title (de)

Dauermagnet und dessen Herstellungsverfahren.

Title (fr)

Aimant permanent et son procédé de fabrication.

Publication

**EP 0289680 B1 19940622 (EN)**

Application

**EP 87308666 A 19870930**

Priority

JP 10462387 A 19870430

Abstract (en)

[origin: EP0289680A2] A permanent magnet made from an alloy comprising at least one rare earth element, iron and boron characterised in that the average grain diameter of the crystals of the alloy is not more than 150  $\mu\text{m}$ , the carbon content and the oxygen content of the alloy being not more than 400 ppm and not more than 1000 ppm respectively.

IPC 1-7

**H01F 1/053**; **H01F 41/02**

IPC 8 full level

**H01F 1/057** (2006.01)

CPC (source: EP KR)

**H01F 1/04** (2013.01 - KR); **H01F 1/057** (2013.01 - EP); **H01F 7/00** (2013.01 - KR)

Citation (examination)

JOURNAL DE PHYSIQUE, COLLOQUE C8, Supplément au n° 12, Tome 49, décembre 1988, pages 631-632

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Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0289680 A2 19881109**; **EP 0289680 A3 19900606**; **EP 0289680 B1 19940622**; AT E107795 T1 19940715; DE 3750136 D1 19940728; DE 3750136 T2 19941006; KR 880013195 A 19881130; KR 930002559 B1 19930403

DOCDB simple family (application)

**EP 87308666 A 19870930**; AT 87308666 T 19870930; DE 3750136 T 19870930; KR 870009551 A 19870831