

Title (en)

ANISOTROPIC RARE EARTHS-FREE MATRIX-BONDED HIGH-PERFORMANCE PERMANENT MAGNET HAVING A NANOCRISTALLINE STRUCTURE, AND METHOD FOR PRODUCTION THEREOF

Title (de)

ANISOTROPER SELTENERDFREIER MATRIXGEBUNDENER HOCHPERFORMANTER PERMANENTMAGNET MIT NANOKRISTALLINER STRUKTUR UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

AIMANT PERMANENT ANISOTROPE HAUTE PERFORMANCE À STRUCTURE NANONCRISTALLINE, LIÉ PAR UNE MATRICE ET EXEMPT DE TERRES RARES, ET SON PROCÉDÉ DE FABRICATION

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Application

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Abstract (en)

[origin: WO2015003848A1] The invention relates to a method for producing a permanent magnet (PM), coating, by means of physical or physical-chemical deposition (A), synthesized nanoparticles (1) with a matrix (3), and orienting and shaping the matrix-coated nanoparticles (5) that are introduced into a mold and exposed to an external force field (M). In this way, high fill levels can be achieved.

IPC 8 full level

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