

Title (en)

Method of Producing Rare-Earth Magnet

Title (de)

Verfahren zur Herstellung eines Seltenerdmagneten

Title (fr)

Procédé pour la production d'un aimant de terres rares

Publication

EP 2237289 A1 20101006 (EN)

Application

EP 10158135 A 20100329

Priority

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Abstract (en)

A method of producing a rare-earth magnet containing a rare-earth compound having a first rare-earth element and a second rare-earth element different from the first rare-earth element includes: a mixing step of mixing rare-earth compound powder including the first rare-earth element and subjected to a process based on hydrogenation disproportionation desorption recombination with a diffusion material including the second rare-earth element; a molding step of molding the mixed powder into a compact in a magnetic field; and a heating step of heating the compact to diffuse the second rare-earth element into the rare-earth compound powder.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

JP 3452254 B2 20030929

Citation (search report)

- [AD] EP 1191553 A2 20020327 - AICHI STEEL CORP [JP]
- [A] EP 1970916 A1 20080917 - HITACHI METALS LTD [JP]
- [A] EP 1523017 A2 20050413 - AICHI STEEL CORP [JP]

Cited by

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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