

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 B1 20120919 (EN)

Application

EP 10158135 A 20100329

Priority

- JP 2009082275 A 20090330
- JP 2010002995 A 20100108

Abstract (en)

[origin: EP2237289A1] 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)

B22F 3/087 (2013.01 - EP US); **H01F 1/0553** (2013.01 - EP US); **H01F 1/0556** (2013.01 - EP US); **H01F 1/0558** (2013.01 - EP US); **H01F 1/0573** (2013.01 - EP US); **H01F 1/0576** (2013.01 - EP US); **H01F 1/0578** (2013.01 - EP US); **H01F 1/08** (2013.01 - EP US); **H01F 1/09** (2013.01 - EP US); **H01F 41/0266** (2013.01 - EP US); **H01F 41/0273** (2013.01 - EP US); **H01F 41/0293** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **H01F 1/083** (2013.01 - EP US)

Cited by

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EP 2237289 A1 20101006; **EP 2237289 B1 20120919**; CN 101853724 A 20101006; CN 101853724 B 20120620; JP 2010258412 A 20101111; JP 4835758 B2 20111214; US 2010247367 A1 20100930

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