

Title (en)

METHOD FOR PRODUCING SINTERED RARE EARTH MAGNET

Title (de)

VERFAHREN ZUR HERSTELLUNG GESINTERTER SELTENERDMAGNETEN

Title (fr)

PROCÉDÉ DE PRODUCTION D'AIMANT FRITTÉ AUX TERRES RARES

Publication

EP 2348518 B1 20160824 (EN)

Application

EP 09824563 A 20091029

Priority

- JP 2009005726 W 20091029
- JP 2008285007 A 20081106

Abstract (en)

[origin: EP2348518A1] The present invention is aimed at providing an easy and inexpensive method for producing a sintered rare-earth magnet having cavities, such as slits, for making the magnet less likely to be influenced from eddy currents and/or performing a grain boundary diffusion process. The method for producing a sintered rare-earth magnet according to the present invention is characterized by performing the following successive processes: a filling process ((a), (b)) for filling a powder 19 of rare-earth magnet alloy into a powder-filling container 10 together with a cavity-forming member 14; an aligning process (b) for aligning the rare-earth magnet alloy powder 19 in a magnetic field; and a sintering process (e) for sintering the rare-earth magnet alloy powder 19 by heating the rare-earth magnet alloy powder 19 in a state of being held in the powder-filling container 10, wherein (d) the cavity-forming member is removed after the aligning process is completed and before the rare-earth magnet alloy powder begins to be sintered.

IPC 8 full level

B22F 3/00 (2006.01); **B22F 3/12** (2006.01); **B22F 3/24** (2006.01); **B22F 5/10** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/06** (2006.01); **C22C 38/16** (2006.01); **H01F 1/053** (2006.01); **H01F 1/08** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP US)

B22F 5/10 (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/16** (2013.01 - EP US); **H01F 41/0293** (2013.01 - EP US); **B22F 2005/103** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **C22C 2202/02** (2013.01 - EP US); **H01F 1/0577** (2013.01 - EP US); **H01F 3/14** (2013.01 - EP US); **H01F 41/0273** (2013.01 - EP US)

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EP2887504A3; US9825493B2; WO2023210842A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 2348518 A1 20110727; **EP 2348518 A4 20150225**; **EP 2348518 B1 20160824**; CN 102209999 A 20111005; CN 105355415 A 20160224; JP 5690141 B2 20150325; JP WO2010052862 A1 20120405; US 2011250087 A1 20111013; WO 2010052862 A1 20100514

DOCDB simple family (application)

EP 09824563 A 20091029; CN 200980144520 A 20091029; CN 201510922466 A 20091029; JP 2009005726 W 20091029; JP 2010536662 A 20091029; US 200913127402 A 20091029