

Title (en)
METHOD FOR PRODUCING RARE EARTH SINTERED MAGNET AND POWDER CONTAINER FOR RARE EARTH SINTERED MAGNET PRODUCTION

Title (de)
VERFAHREN ZUR HERSTELLUNG GESINTERTER SELTENERDMAGNETEN UND PULVERBEHÄLTER ZUR HERSTELLUNG GESINTERTER SELTENERDMAGNETEN

Title (fr)
PROCÉDÉ DE PRODUCTION D'AIMANT FRITTÉ AUX TERRES RARES ET CONTENANT DE POUDRE POUR PRODUCTION D'AIMANT FRITTÉ AUX TERRES RARES

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Application
EP 09824563 A 20091029

Priority
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• 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.

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Citation (search report)
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