

Title (en)  
ND-FE-B PERMANENT MAGNETIC MATERIAL AND PREPARATION METHOD THEREOF

Title (de)  
ND-FE-B-PERMANENTMAGNETMATERIAL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
MATÉRIAU MAGNÉTIQUE PERMANENT ND-FE-B ET SON PROCÉDÉ DE PRÉPARATION

Publication  
**EP 2436016 A4 20121031 (EN)**

Application  
**EP 10780039 A 20100517**

Priority  
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Abstract (en)  
[origin: WO2010135958A1] A permanent magnetic material comprising a Nd-Fe-B alloy and an additive including at least a cobalt ferrite, and a method for preparing the permanent magnetic material are provided. The method comprises the following steps: mixing the Nd-Fe-B alloy and the additive including at least a cobalt ferrite to obtain a mixture; magnetically orienting and pressing the mixture in a magnetic field; and sintering and tempering the mixture in vacuum or under the protection of inert gas.

IPC 8 full level  
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**B22F 3/087** (2013.01 - EP US); **H01F 1/0577** (2013.01 - EP US); **H01F 41/0266** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **H01F 1/11** (2013.01 - EP US)

Citation (search report)  
• [X1] WO 2009057742 A1 20090507 - ASahi CHEMICAL IND [JP], et al  
• [X1] JP 2002164205 A 20020607 - HITACHI METALS LTD  
• [I] JP 2005159054 A 20050616 - TDK CORP  
• See references of WO 2010135958A1

Designated contracting state (EPC)  
AL 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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