

Title (en)
PROCESS TO MANUFACTURE A PERMANENT MAGNET

Title (de)
VERFAHREN ZUM HERSTELLEN EINES PERMANENTMAGNETEN

Title (fr)
PROCÉDÉ DE FABRICATION D'UN AIMANT PERMANENT

Publication
EP 3357074 B1 20231025 (DE)

Application
EP 16781067 A 20160922

Priority
• DE 102015218619 A 20150928
• EP 2016072580 W 20160922

Abstract (en)
[origin: WO2017055170A1] The invention relates to a method for producing a permanent magnet comprising a rare earth element, wherein a starting material is processed in a metal injection molding method and a rare earth metal present in the starting material is converted into an inertised compound prior to a binder removal step.

IPC 8 full level
H01F 1/057 (2006.01); **B22F 3/10** (2006.01); **B22F 3/22** (2006.01); **H01F 41/02** (2006.01); **B22F 9/20** (2006.01); **C22C 1/00** (2023.01)

CPC (source: EP)
B22F 3/1021 (2013.01); **B22F 3/225** (2013.01); **H01F 1/0573** (2013.01); **H01F 41/0273** (2013.01); **B22F 9/20** (2013.01); **B22F 2998/10** (2013.01); **B22F 2999/00** (2013.01); **C22C 2202/02** (2013.01)

C-Set (source: EP)
1. **B22F 2998/10 + B22F 3/225 + B22F 3/1021 + B22F 3/10**
2. **B22F 2999/00 + B22F 3/10 + B22F 2201/05**

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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2017055170 A1 20170406; DE 112016004392 A5 20180621; EP 3357074 A1 20180808; EP 3357074 B1 20231025;
ES 2968229 T3 20240508; SI 3357074 T1 20240430

DOCDB simple family (application)
EP 2016072580 W 20160922; DE 112016004392 T 20160922; EP 16781067 A 20160922; ES 16781067 T 20160922; SI 201631790 T 20160922