

Title (en)
MAGNETIC ACTUATOR

Title (de)
MAGNETAKTOR

Title (fr)
ACTIONNEUR MAGNÉTIQUE

Publication
EP 2599095 A1 20130605 (DE)

Application
EP 11725921 A 20110614

Priority
• DE 102010038437 A 20100727
• EP 2011059803 W 20110614

Abstract (en)
[origin: WO2012019807A1] The invention relates to a magnetic actuator comprising a pole core (2), wherein the pole core (2) has at least one magnetic region (3) and at least one non-magnetic region (4), wherein the non-magnetic region (4) provides a magnetic separation of the magnetic region (3) and wherein the pole core (2) is designed as a one-piece component and wherein the magnetic regions (3) and non-magnetic regions (4) of the pole core (2) are bonded by means of a two-component metal powder injection casting method.

IPC 8 full level
H01F 3/08 (2006.01); **B22F 7/06** (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01); **H01F 7/08** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP KR US)
B22F 3/225 (2013.01 - EP US); **B22F 7/06** (2013.01 - KR); **F02M 51/0614** (2013.01 - EP US); **F02M 51/0685** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **H01F 3/08** (2013.01 - EP KR US); **H01F 7/08** (2013.01 - KR); **H01F 7/081** (2013.01 - EP US); **H01F 7/11** (2013.01 - US); **H01F 41/02** (2013.01 - KR); **H01F 41/0246** (2013.01 - EP US); **F02M 2200/8046** (2013.01 - EP US); **H01F 2007/1676** (2013.01 - EP US)

Citation (search report)
See references of WO 2012019807A1

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)
DE 102010038437 A1 20120202; **DE 102010038437 B4 20220825**; BR 112013001963 A2 20190924; CN 103026428 A 20130403; CN 103026428 B 20160831; EP 2599095 A1 20130605; JP 2013535827 A 20130912; JP 5726304 B2 20150527; KR 20130042556 A 20130426; US 2013207756 A1 20130815; US 9401236 B2 20160726; WO 2012019807 A1 20120216

DOCDB simple family (application)
DE 102010038437 A 20100727; BR 112013001963 A 20110614; CN 201180036589 A 20110614; EP 11725921 A 20110614; EP 2011059803 W 20110614; JP 2013521028 A 20110614; KR 20137002069 A 20110614; US 201113810764 A 20110614