

Title (en)

PRODUCTION OF A MAGNETIC COIL, MAGNETIC COIL FOR A MAGNETIC ACTUATOR

Title (de)

HERSTELLUNG EINER MAGNETSPULE, MAGNETSPULE FÜR EINEN MAGNETISCHEN AKTOR

Title (fr)

FABRICATION D'UNE BOBINE D'ELECTROAIMANT, BOBINE D'ELECTROAIMANT POUR UN ACTIONNEUR MAGNETIQUE

Publication

EP 3082142 B1 20180131 (DE)

Application

EP 16164678 A 20160411

Priority

DE 102015105591 A 20150413

Abstract (en)

[origin: US2016298582A1] The disclosure relates to a method of manufacturing a magnetic coil for a magnetic actuator, comprising providing a coil carrier comprising a tubular section and a collar which adjoins the tubular section, wherein the coil carrier is arranged for accommodating a coil winding; providing a die comprising a defined inner contour which is adapted to the coil carrier; inserting the coil carrier into the die, wherein the collar of the coil carrier rests on a seating surface of the die; punching the collar with a punch, wherein a flange contour is formed at the collar the outline of which is defined by an inner contour of the die; and at least sectionally potting or overmolding the coil carrier with a filler material, wherein the flange contour provides a barrier for the filler material. The disclosure further relates to a corresponding magnetic coil.

IPC 8 full level

H01F 41/12 (2006.01); **H01F 7/127** (2006.01); **H01F 7/128** (2006.01)

CPC (source: CN EP US)

F02M 51/061 (2013.01 - CN US); **H01F 5/02** (2013.01 - US); **H01F 5/06** (2013.01 - CN); **H01F 7/127** (2013.01 - EP US); **H01F 7/128** (2013.01 - EP US); **H01F 41/0206** (2013.01 - US); **H01F 41/04** (2013.01 - US); **H01F 41/098** (2016.01 - US); **H01F 41/127** (2013.01 - CN EP US); **Y10T 29/4902** (2015.01 - EP US); **Y10T 29/49073** (2015.01 - EP US)

Cited by

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DOCDB simple family (publication)

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DOCDB simple family (application)

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