

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)

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DOCDB simple family (publication)

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