

Title (en)

SOLENOID ARRANGEMENT AND VALVE ARRANGEMENT

Title (de)

HUBMAGNETANORDNUNG UND VENTILANORDNUNG

Title (fr)

DISPOSITIF ÉLECTRO-AIMANT DE LEVAGE ET DISPOSITIF DE SOUPAPE

Publication

**EP 2301047 B1 20120620 (DE)**

Application

**EP 09776943 A 20090703**

Priority

- EP 2009004816 W 20090703
- DE 102008032727 A 20080711

Abstract (en)

[origin: WO2010003592A1] The invention relates to a solenoid wherein a magnetic discontinuity is formed in the pole tube by means of reducing the effective material thickness, such as by reducing the thickness, particularly the wall thickness of the magnetically active material, the front face of the armature facing the polker segment and a floor in the interior of the pole tube at the polker segment each have a contour allowing mutual axial overlapping. This enables advantageous influencing of the force-stroke characteristic curve of the solenoid with low production effort.

IPC 8 full level

**H01F 7/13** (2006.01)

CPC (source: EP US)

**H01F 7/081** (2013.01 - EP US); **H01F 7/13** (2013.01 - EP US); **H01F 7/1607** (2013.01 - EP US); **H01F 7/088** (2013.01 - EP US); **H01F 2007/085** (2013.01 - EP US); **H01F 2007/086** (2013.01 - EP US)

Cited by

DE102018000449A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**DE 102008032727 A1 20100114**; CN 102089836 A 20110608; CN 102089836 B 20140716; EP 2301047 A1 20110330; EP 2301047 B1 20120620; US 2011168932 A1 20110714; US 8480055 B2 20130709; WO 2010003592 A1 20100114

DOCDB simple family (application)

**DE 102008032727 A 20080711**; CN 200980126716 A 20090703; EP 09776943 A 20090703; EP 2009004816 W 20090703; US 200913003478 A 20090703