

Title (en)  
SOLENOID UNIT AND METHOD FOR PRODUCING SAID SOLENOID UNIT AND A MAGNET HOUSING FOR SUCH A SOLENOID UNIT

Title (de)  
ELEKTROMAGNETEINHEIT SOWIE VERFAHREN ZUR HERSTELLUNG SOLCHEN ELEKTROMAGNETEINHEIT UND EINES  
MAGNETGEHÄUSES FÜR EINE SOLCHE ELEKTROMAGNETEINHEIT

Title (fr)  
UNITE ELECTROMAGNETIQUE ET PROCEDE POUR REALISER UNE TELLE UNITE ELECTROMAGNETIQUE ET UN BOITIER MAGNETIQUE  
DESTINE A UNE TELLE UNITE ELECTROMAGNETIQUE

Publication  
**EP 1875479 B1 20140917 (DE)**

Application  
**EP 06724334 A 20060413**

Priority  
• EP 2006003447 W 20060413  
• DE 102006006031 A 20060209  
• DE 202005006296 U 20050420

Abstract (en)  
[origin: WO2006111330A1] The invention relates to a solenoid unit for a solenoid valve, comprising a coil (10) and a ferromagnetic circuit enclosing the coil (10). Said circuit comprises a stationary magnet housing, a movable armature (14) and optionally a pole (16) opposite to the armature. The magnet housing is assembled from a cover (18), a jacket (22) and a bottom (20) in the form of multi-layer transformer plate elements. The invention also relates to a method for producing said solenoid unit and to a method for producing a magnet housing for said solenoid unit.

IPC 8 full level  
**H01F 7/08** (2006.01); **H01F 3/02** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP KR US)  
**H01F 3/02** (2013.01 - KR); **H01F 7/081** (2013.01 - EP US); **H01F 7/16** (2013.01 - KR); **H01F 7/1607** (2013.01 - EP US);  
**H01F 3/02** (2013.01 - EP US); **Y10T 29/49423** (2015.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102006006031 A1 20061026**; **DE 102006006031 B4 20091224**; EP 1875479 A1 20080109; EP 1875479 B1 20140917;  
JP 2008537348 A 20080911; JP 4884461 B2 20120229; KR 101277828 B1 20130621; KR 20080000670 A 20080102;  
TW 200700667 A 20070101; TW I373581 B 20121001; US 2011155936 A1 20110630; US 8258905 B2 20120904; WO 2006111330 A1 20061026

DOCDB simple family (application)  
**DE 102006006031 A 20060209**; EP 06724334 A 20060413; EP 2006003447 W 20060413; JP 2008506980 A 20060413;  
KR 20077027023 A 20060413; TW 95113712 A 20060418; US 91831106 A 20060413