

Title (en)
SOLENOID VALVE

Title (de)
ELEKTROMAGNETVENTIL

Title (fr)
ÉLECTROVANNE

Publication
EP 2652375 A1 20131023 (DE)

Application
EP 11782427 A 20111115

Priority
• DE 102010055025 A 20101217
• EP 2011070122 W 20111115

Abstract (en)
[origin: WO2012079890A1] Solenoid valve having a housing (2), in which a coil (6) which is wound onto a coil former (5), an armature (4), a core (3) and a multiple-part return-path arrangement (7) with return-path cover sections (11, 12), return-path side sections (17) and return-path inner sections (9) are arranged, which form an electromagnetic circuit, wherein the movable armature (6) is mounted in the coil former (5) via bearing means (20) and acts at least indirectly on a valve closure element, wherein at least the return-path inner sections (9) are arranged in the coil former (5).

IPC 8 full level
F16K 27/02 (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP US)
F16K 31/0658 (2013.01 - US); **F16K 31/0675** (2013.01 - EP US)

Citation (search report)
See references of WO 2012079890A1

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)
WO 2012079890 A1 20120621; DE 102010055025 A1 20120621; EP 2652375 A1 20131023; US 2013284961 A1 20131031;
US 9127780 B2 20150908

DOCDB simple family (application)
EP 2011070122 W 20111115; DE 102010055025 A 20101217; EP 11782427 A 20111115; US 201113994136 A 20111115