

Title (en)
SOLENOID VALVE

Title (de)
ELEKTROMAGNETVENTIL

Title (fr)
ÉLECTROVANNE

Publication
EP 2652374 A1 20131023 (DE)

Application
EP 11782426 A 20111115

Priority
• DE 102010055035 A 20101217
• EP 2011070121 W 20111115

Abstract (en)
[origin: WO2012079889A1] Solenoid valve having a housing, in which a coil which is wound onto a coil former, an armature, a core and a multiple-part return-path arrangement are arranged, which form an electromagnetic circuit, wherein the movable armature is mounted in the coil former via bearing means and acts directly or indirectly on at least one valve closure element, wherein the valve closure element acts on at least one valve seat which is arranged in a valve sleeve, wherein the core is arranged on an opposite side of the housing to the valve sleeve and the armature is constructed from a plurality of parts, wherein a first part which is directed towards the core has a greater diameter than the internal diameter of a part region of the coil former, and wherein the coil former is formed as a valve sleeve on a side which is opposite the core.

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

CPC (source: EP US)
F16K 27/029 (2013.01 - EP US); **F16K 31/04** (2013.01 - US); **F16K 31/0631** (2013.01 - EP US)

Citation (search report)
See references of WO 2012079889A1

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 2012079889 A1 20120621; DE 102010055035 A1 20120621; EP 2652374 A1 20131023; US 2013264506 A1 20131010

DOCDB simple family (application)
EP 2011070121 W 20111115; DE 102010055035 A 20101217; EP 11782426 A 20111115; US 201113994131 A 20111115