

Title (en)
CONTROL VALVE ARRANGEMENT

Title (de)
STEUERVENTILANORDNUNG

Title (fr)
AGENCEMENT DE SOUPAPE DE COMMANDE

Publication
EP 3274583 A1 20180131 (EN)

Application
EP 16702730 A 20160203

Priority

- GB 201505004 A 20150325
- EP 2016052304 W 20160203

Abstract (en)
[origin: WO2016150604A1] A control valve member (44) of a fuel injector control valve assembly (14) adapted to be arranged in a control valve chamber (42) wherein it is guided in translation along a valve axis (X2) between a closed position forbidding fuel to exit a spill orifice (58) and an open position enabling fuel to exit said spill orifice (58), the control valve member (44) comprising a magnetic armature (102) to which is fixed a seat member (104). The armature (102) is adapted to cooperate with an electromagnetic solenoid (36) in order for the seat member (104) be move between the closed position wherein it is in sealing abutment against a fixed seating face (60), and the open position wherein said seat member (104) is lifted away from said fixed seating face (60). The control valve member (44) further comprises a spring member adapted to guide in translation along the valve axis (X2) the seat member (104) in the control valve chamber (42).

IPC 8 full level
F02M 63/00 (2006.01); **F02M 47/02** (2006.01); **F16K 31/00** (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0017** (2013.01); **F02M 63/0033** (2013.01); **F02M 63/0043** (2013.01); **F02M 63/0071** (2013.01); **F02M 63/0078** (2013.01); **F02M 2200/50** (2013.01); **F02M 2200/8076** (2013.01)

Citation (search report)
See references of WO 2016150604A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016150604 A1 20160929; EP 3274583 A1 20180131; EP 3274583 B1 20210929; GB 201505004 D0 20150506

DOCDB simple family (application)
EP 2016052304 W 20160203; EP 16702730 A 20160203; GB 201505004 A 20150325