

Title (en)
FUEL DISTRIBUTOR

Title (de)
BRENNSTOFFVERTEILER

Title (fr)
DISTRIBUTEUR DE COMBUSTIBLE

Publication
EP 2705240 B1 20170510 (DE)

Application
EP 12709847 A 20120315

Priority
• DE 102011075059 A 20110502
• EP 2012054516 W 20120315

Abstract (en)
[origin: WO2012150073A1] A fuel distributor (1), which serves in particular for fuel injection systems of mixture-compressing, applied-ignition internal combustion engines, comprises at least one housing part (2) enclosing a fuel chamber (3), comprises at least one screw element (6), and comprises at least one sealing ring (14). Here, there is provided on the housing part (2) a recess (4) into which the screw element (6) is screwed in a self-tapping manner. Here, the sealing ring (14) forms a seal between the screw element (6) and the housing part (2). Chips formed during the screwing-in process thus remain reliably separated from the fuel chamber (3). The screw element (6) has an external thread (7), wherein on the screw element (6) there is formed an annular groove (15) which receives the sealing ring (14), and wherein the sealing ring (14) leads the external thread (7) of the screw element (6).

IPC 8 full level
F02M 55/02 (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP RU)
F02M 55/025 (2013.01 - EP RU); **F02M 69/465** (2013.01 - EP RU); **F02M 2200/8076** (2013.01 - EP); **F02M 2200/9015** (2013.01 - EP)

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)
DE 102011075059 A1 20121108; CN 103502624 A 20140108; CN 103502624 B 20170609; EP 2705240 A1 20140312;
EP 2705240 B1 20170510; PL 2705240 T3 20171031; RU 2013153134 A 20150610; RU 2601012 C2 20161027; WO 2012150073 A1 20121108

DOCDB simple family (application)
DE 102011075059 A 20110502; CN 201280021116 A 20120315; EP 12709847 A 20120315; EP 2012054516 W 20120315;
PL 12709847 T 20120315; RU 2013153134 A 20120315