

Title (en)
FUEL FILTER

Title (de)
KRAFTSTOFFFILTER

Title (fr)
FILTRE A CARBURANT

Publication
EP 3215731 A1 20170913 (DE)

Application
EP 15790866 A 20151027

Priority
• DE 102014222509 A 20141104
• EP 2015074800 W 20151027

Abstract (en)

[origin: WO2016071147A1] The invention relates to an at least two-piece housing (2), in which a first coaxial annular filter element (3) and a second annular filter element (4) are arranged, wherein the annular filter elements (3, 4) are connected in series and therefore flow occurs through same consecutively, - the annular filter elements (3, 4) are configured separately, - a function carrier (6) is provided, which is arranged in the center and inside the annular filter elements (3, 4). In this connection, it is essential to the invention that the function carrier (6) is configured as a one-piece, rod-shaped plastic injection part and which has three separate channels (7, 8, 9) for guiding the three different fluids, wherein the first channel (7) has a radial inlet (10), an axial outlet (11) and a U-shaped deflection (12). *****

IPC 8 full level

F02M 37/22 (2006.01); **B01D 29/58** (2006.01)

CPC (source: EP US)

B01D 29/58 (2013.01 - EP US); **B01D 35/153** (2013.01 - EP); **B01D 35/16** (2013.01 - EP); **B01D 36/003** (2013.01 - EP);
F02M 37/24 (2018.12 - EP US); **F02M 37/34** (2018.12 - EP US); **F02M 37/54** (2018.12 - EP US); **B01D 2201/0415** (2013.01 - EP);
B01D 2201/291 (2013.01 - EP); **B01D 2201/316** (2013.01 - EP)

Citation (search report)

See references of WO 2016071147A1

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)

DE 102014222509 A1 20160504; EP 3215731 A1 20170913; WO 2016071147 A1 20160512

DOCDB simple family (application)

DE 102014222509 A 20141104; EP 15790866 A 20151027; EP 2015074800 W 20151027