

Title (en)
FUEL INJECTION VALVE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 3695110 B1 20210901 (EN)

Application
EP 18778952 A 20181004

Priority
• EP 17196140 A 20171012
• EP 2018077027 W 20181004

Abstract (en)
[origin: WO2019072683A1] Fuel injection valve (1), comprising - a valve body (4) with a central longitudinal axis (L) comprising a cavity (9) with a fluid inlet portion (5) and a fluid outlet portion (7), - a valve needle (11) axially moveable in the cavity (9), the valve needle (11) preventing a fluid flow through the fluid outlet portion (7) in a closing position and releasing the fluid flow through the fluid outlet portion (7) in further positions, - an electromagnetic actuator unit (20) for actuating the valve needle (11), - a metal housing (29) being partially arranged around the valve body (4) and the electromagnetic actuator unit (20), wherein the metal housing (29) is at least partially laminated.

IPC 8 full level
F02M 61/16 (2006.01)

CPC (source: EP)
F02M 61/166 (2013.01); **F02M 61/168** (2013.01); **F02M 2200/9046** (2013.01)

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 2019072683 A1 20190418; EP 3695110 A1 20200819; EP 3695110 B1 20210901

DOCDB simple family (application)
EP 2018077027 W 20181004; EP 18778952 A 20181004