

Title (en)
HIGH-PRESSURE FUEL PUMP

Title (de)
KRAFTSTOFF-HOCHDRUCKPUMPE

Title (fr)
POMPE À CARBURANT À HAUTE PRESSION

Publication
EP 3894687 A1 20211020 (DE)

Application
EP 19806179 A 20191118

Priority
• DE 102018221702 A 20181213
• EP 2019081669 W 20191118

Abstract (en)
[origin: WO2020120075A1] A high-pressure fuel pump (10) for a fuel injection system of an internal combustion engine, comprising a pump housing (12), which has a drive-side end-face region (44), a high-pressure outlet (24), and a pressure-limiting valve (58), which in the open state discharges fuel from the high-pressure outlet (24). It is proposed that the pressure-limiting valve (58) is arranged in a discharge flow path (52) in the pump housing (12), which path leads into the drive-side end-face region (44) of the pump housing (12).

IPC 8 full level
F02M 59/48 (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP KR)
F02M 59/46 (2013.01 - EP KR); **F02M 59/48** (2013.01 - EP KR); **F02M 63/005** (2013.01 - EP KR); **F02M 63/0245** (2013.01 - EP KR); **F02M 2200/8061** (2013.01 - EP KR)

Citation (search report)
See references of WO 2020120075A1

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 2020120075 A1 20200618; CN 113167202 A 20210723; DE 102018221702 A1 20200618; EP 3894687 A1 20211020; EP 3894687 B1 20240110; KR 20210099585 A 20210812

DOCDB simple family (application)
EP 2019081669 W 20191118; CN 201980082246 A 20191118; DE 102018221702 A 20181213; EP 19806179 A 20191118; KR 20217017984 A 20191118