

Title (en)
HIGH-PRESSURE FUEL PUMP

Title (de)
KRAFTSTOFFHOCHDRUCKPUMPE

Title (fr)
POMPE À CARBURANT HAUTE PRESSION

Publication
EP 3482060 A1 20190515 (DE)

Application
EP 17722771 A 20170510

Priority
• DE 102016212458 A 20160708
• EP 2017061214 W 20170510

Abstract (en)
[origin: WO2018007055A1] The invention relates to a high-pressure fuel pump (22) comprising a pump housing (52) and a cover element (54), which is connected to the pump housing (52) and has a wall (72), wherein a damping volume (66) is arranged between cover element (54) and pump housing (52), and the wall (72) has a reinforcement, which is formed in such a way that a resonant frequency of the cover element (54) lies above 9 kHz, preferably above 11 Hz, in particular above 12 kHz.s.

IPC 8 full level
F02M 55/04 (2006.01); **F02M 59/44** (2006.01); **F02M 59/48** (2006.01)

CPC (source: EP KR US)
F02M 55/04 (2013.01 - EP KR US); **F02M 59/44** (2013.01 - EP KR US); **F02M 2200/315** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2018007055A1

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 102016212458 A1 20180111; CN 109416009 A 20190301; CN 109416009 B 20220308; EP 3482060 A1 20190515; EP 3482060 B1 20220105; ES 2909470 T3 20220506; JP 2019520519 A 20190718; KR 102466601 B1 20221116; KR 20190026745 A 20190313; KR 20220005630 A 20220113; US 10865751 B2 20201215; US 2019301415 A1 20191003; WO 2018007055 A1 20180111

DOCDB simple family (application)
DE 102016212458 A 20160708; CN 201780042474 A 20170510; EP 17722771 A 20170510; EP 2017061214 W 20170510; ES 17722771 T 20170510; JP 2019500441 A 20170510; KR 20197000455 A 20170510; KR 20227000132 A 20170510; US 201716315329 A 20170510