

Title (en)
HIGH PRESSURE FUEL PUMP

Title (de)
HOCHDRUCKBRENNSTOFFPUMPE

Title (fr)
POMPE À CARBURANT HAUTE PRESSION

Publication
EP 3097304 A1 20161130 (EN)

Application
EP 14805942 A 20141203

Priority
• GB 201400864 A 20140120
• EP 2014076371 W 20141203

Abstract (en)
[origin: WO2015106876A1] A fuel pump (18) comprises a fixed body (30) and a camshaft (36) cooperating with a piston slidably guided within a bore. The camshaft (36) is adapted to rotate and reciprocally actuate the piston inside the bore in order to pressurize fuel within a compression chamber. The camshaft (36) is provided with an integral fluid damper (42) adapted to damp hydraulic waves propagating in the fluid flowing through the rotational guiding (38).

IPC 8 full level
F02M 55/04 (2006.01); **F01L 1/047** (2006.01); **F01M 9/10** (2006.01); **F02M 59/02** (2006.01); **F02M 59/14** (2006.01); **F02M 59/44** (2006.01); **F04B 11/00** (2006.01)

CPC (source: EP KR)
F02M 55/04 (2013.01 - EP KR); **F02M 59/02** (2013.01 - EP KR); **F02M 59/14** (2013.01 - EP KR); **F02M 59/445** (2013.01 - EP KR); **F04B 1/0404** (2013.01 - EP KR); **F04B 11/0033** (2013.01 - EP KR); **F02M 63/0001** (2013.01 - EP); **F02M 2200/03** (2013.01 - EP KR); **F02M 2200/26** (2013.01 - EP KR); **F02M 2200/31** (2013.01 - EP KR); **F02M 2200/315** (2013.01 - EP KR); **F02M 2200/9015** (2013.01 - EP KR)

Citation (search report)
See references of WO 2015106876A1

Citation (examination)
JP 2002349672 A 20021204 - MITSUBISHI MOTORS CORP

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 2015106876 A1 20150723; EP 3097304 A1 20161130; GB 201400864 D0 20140305; KR 20160108350 A 20160919

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EP 2014076371 W 20141203; EP 14805942 A 20141203; GB 201400864 A 20140120; KR 20167019129 A 20141203