

Title (en)
FLUID PUMP

Title (de)
FLÜSSIGKEITSPUMPE

Title (fr)
POMPE À FLUIDES

Publication
EP 3112664 A1 20170104 (EN)

Application
EP 16175584 A 20160621

Priority
GB 201511315 A 20150629

Abstract (en)
A fluid pump (18) comprising a housing (30) receiving a camshaft (36) which is rotatable within rotational guiding means (38a, 38b), the camshaft cooperating with a pumping plunger of the fluid pump to actuate the pumping plunger to reciprocally move in order to pressurize fluid within a pump chamber, the camshaft (36) being exposed to a fluid to lubricate the camshaft, in use, characterized in that the camshaft (36) is provided with an integral fluid damper (42) comprising a bellows device (42) configured to damp hydraulic waves propagating in the return and inlet lines in the fluid lubricating the camshaft (36) and flowing through the rotational guiding means (38a, 38b).

IPC 8 full level
F02M 63/00 (2006.01); **F02M 55/04** (2006.01); **F02M 59/10** (2006.01); **F02M 59/44** (2006.01); **F02M 59/48** (2006.01)

CPC (source: EP KR)
F01M 9/10 (2013.01 - KR); **F02M 55/04** (2013.01 - EP); **F02M 59/02** (2013.01 - KR); **F02M 59/102** (2013.01 - EP); **F02M 59/44** (2013.01 - EP); **F02M 59/48** (2013.01 - EP); **F02M 63/0001** (2013.01 - EP); **F04B 9/042** (2013.01 - KR); **F02M 2200/31** (2013.01 - EP); **F02M 2200/315** (2013.01 - EP); **F02M 2200/8061** (2013.01 - EP); **F02M 2200/8084** (2013.01 - EP)

Citation (search report)
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• [AP] WO 2015106876 A1 20150723 - DELPHI INT OPERATIONS LUX SRL [LU]
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CN107795419A

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

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DOCDB simple family (application)
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