

Title (en)  
FLUID PUMP

Title (de)  
FLÜSSIGKEITSPUMPE

Title (fr)  
POMPE À FLUIDES

Publication  
**EP 3112664 B1 20180905 (EN)**

Application  
**EP 16175584 A 20160621**

Priority  
GB 201511315 A 20150629

Abstract (en)  
[origin: EP3112664A1] 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)

Cited by  
CN107795419A

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**EP 16175584 A 20160621**; GB 201511315 A 20150629; KR 20160080263 A 20160627