

Title (en)  
Regulation of an external gear pump

Title (de)  
Regelung für eine Aussenzahnradpumpe

Title (fr)  
Règlement pour une pompe à engrenages externes

Publication  
**EP 2479434 A3 20130529 (DE)**

Application  
**EP 11009016 A 20111114**

Priority  
DE 102011009221 A 20110122

Abstract (en)  
[origin: EP2479434A2] The pump has a shifting unit (20) comprising a control piston (32) turned toward a control chamber (22). Another control piston (34) is turned toward another control chamber (24). The shifting unit is arranged between the control chambers. The latter control piston comprises an annular groove (42) running over a part of circumference along a circumferential direction. A fluid-conducting channel i.e. longitudinal groove (44), is arranged at the latter control piston such that the channel connects the annular groove with a suction side of the pump in a fluid-conducting manner.

IPC 8 full level  
**F04C 14/18** (2006.01); **F04C 2/14** (2006.01); **F04C 14/26** (2006.01)

CPC (source: EP)  
**F04C 2/14** (2013.01); **F04C 14/185** (2013.01); **F04C 14/26** (2013.01); **F04C 2210/206** (2013.01)

Citation (search report)

- [X] DE 102008025346 A1 20091203 - AUDI AG [DE]
- [E] EP 2412979 A2 20120201 - SHW AUTOMOTIVE [DE]
- [A] DE 102005029086 A1 20070104 - PORSCHE AG [DE], et al

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CN107762843A

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)  
**EP 2479434 A2 20120725; EP 2479434 A3 20130529; DE 102011009221 A1 20120726**

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