

Title (en)  
ANNULAR SEAL ELEMENT

Title (de)  
RINGFÖRMIGES DICHELEMENT

Title (fr)  
ELEMENT D'ETANCHEITE ANNULAIRE

Publication  
**EP 2556252 A1 20130213 (DE)**

Application  
**EP 11705181 A 20110209**

Priority  
• DE 102010003674 A 20100407  
• EP 2011051847 W 20110209

Abstract (en)  
[origin: WO2011124405A1] In an annular seal element (36), in particular for a hydraulic piston pump (10), for sealing off a pressurized region (24) filled with a fluid, one end face (44) is pressed onto a contact surface (50) of a piston (14), and the end face (44) is formed with a sealing contour (46) in such a way that the sealing contour (46) can be deformed elastically on the contact surface (50) by the pressure exerted.

IPC 8 full level  
**F04B 1/04** (2006.01); **F04B 39/00** (2006.01); **F04B 39/04** (2006.01); **F04B 53/12** (2006.01); **F04B 53/14** (2006.01); **F16J 9/08** (2006.01); **F16J 15/32** (2006.01)

CPC (source: EP US)  
**B60T 8/4031** (2013.01 - EP US); **F04B 1/0448** (2013.01 - EP US); **F04B 39/0016** (2013.01 - EP US); **F04B 39/041** (2013.01 - EP US); **F04B 53/12** (2013.01 - EP US); **F04B 53/143** (2013.01 - EP US); **F16J 15/32** (2013.01 - US)

Citation (search report)  
See references of WO 2011124405A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 102010003674 A1 20111013**; CN 102834613 A 20121219; CN 102834613 B 20160803; EP 2556252 A1 20130213; JP 2013527899 A 20130704; US 2013199365 A1 20130808; WO 2011124405 A1 20111013

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