

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)
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

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

DOCDB simple family (application)
DE 102010003674 A 20100407; CN 201180017718 A 20110209; EP 11705181 A 20110209; EP 2011051847 W 20110209; JP 2013503044 A 20110209; US 201113639547 A 20110209