

Title (en)
ROTARY PISTON TYPE ACTUATOR

Title (de)
ROTATIONSKOLBENAKTUATOR

Title (fr)
ACTIONNEUR DU TYPE À PISTON ROTATIF

Publication
EP 3099942 A2 20161207 (EN)

Application
EP 15703714 A 20150130

Priority
• US 201414170461 A 20140131
• US 2015013895 W 20150130

Abstract (en)
[origin: WO2015116992A2] A rotary actuator includes a piston housing assembly including a cavity, a fluid port in cavity, and an open end. A rotor assembly is rotatably journaled in the piston housing assembly and includes a rotary output shaft, a rotor arm extending radially outward from the rotary output shaft, an arcuate-shaped piston disposed in said piston housing assembly for reciprocal movement in the piston housing assembly through the open end along a radius of curvature. A seal, the cavity, and the piston define a pressure chamber, and a portion of the piston connects to the rotor arm at an end portion.

IPC 8 full level
F15B 15/12 (2006.01)

CPC (source: CN EP)
F15B 11/17 (2013.01 - CN); **F15B 15/125** (2013.01 - CN EP); **F15B 2211/20515** (2013.01 - CN); **F15B 2211/20576** (2013.01 - CN); **F15B 2211/2654** (2013.01 - CN); **F15B 2211/30565** (2013.01 - CN); **F15B 2211/327** (2013.01 - CN); **F15B 2211/625** (2013.01 - CN); **F15B 2211/6336** (2013.01 - CN); **F15B 2211/6656** (2013.01 - CN); **F15B 2211/7107** (2013.01 - CN); **F15B 2211/7128** (2013.01 - CN); **F15B 2211/8757** (2013.01 - CN)

Citation (search report)
See references of WO 2015116992A2

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)
WO 2015116992 A2 20150806; WO 2015116992 A3 20151105; CA 2938269 A1 20150806; CN 106460882 A 20170222; CN 106460882 B 20190723; EP 3099942 A2 20161207; EP 3099942 B1 20190814; JP 2017506314 A 20170302

DOCDB simple family (application)
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