

Title (en)

A self-contained electro-hydraulic bidirectional rotary actuator unit

Title (de)

Autonome bidirektionale elektrohydraulische Drehantriebseinheit

Title (fr)

Unité d'actionneur rotatif bidirectionnel électro-hydraulique autonome

Publication

**EP 2770218 A3 20170426 (EN)**

Application

**EP 14156685 A 20140226**

Priority

US 201361769363 P 20130226

Abstract (en)

[origin: EP2770218A2] A self-contained electro-hydraulic bidirectional rotary actuator unit (1) adapted for limited arc actuation of an object, e.g. adapted for quarter turn actuation of a valve, e.g. a pipeline valve. The unit comprises a hydraulic rotary actuator with a rack and a pinion meshing with a rack and supported on a rotary shaft (9) in the cylinder housing (2). The unit further comprises a bidirectional hydraulic pump (15) and an electric motor (20) connected to the pump housing and driving the pump.

IPC 8 full level

**F15B 15/18** (2006.01); **F15B 1/02** (2006.01)

CPC (source: EP)

**F15B 15/18** (2013.01); **F15B 1/025** (2013.01); **F15B 15/065** (2013.01); **F15B 15/24** (2013.01); **F15B 2211/3051** (2013.01); **F15B 2211/3052** (2013.01); **F15B 2211/50518** (2013.01)

Citation (search report)

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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)

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