

Title (en)

Three-position rotary fluid actuator

Title (de)

Fluidbetätigter Dreistellungs-Drehantrieb

Title (fr)

Vérin fluide rotatif à trois positions

Publication

**EP 1429037 B1 20051123 (DE)**

Application

**EP 03024778 A 20031030**

Priority

DE 20219367 U 20021213

Abstract (en)

[origin: EP1429037A1] The three-position rotary actuator has a first drive unit (2) with a first piston (7) rotatable relative to a first housing (4), and a driven shaft (6) connected to the piston and set in an oscillating rotational movement around a central axis between two end positions when the piston is pressurized by fluid. A coupling component is connected to the driven shaft and executes a pivoting movement relative to the central axis when the driven shaft rotates. A second drive unit (3) co-axial with the first has a second piston (13) and second housing (27) rotatable around the central axis relative to each other and relative to the first housing. The second housing and second piston each have a driver which during a rotational movement execute a pivoting movement in relation to the central axis.

IPC 1-7

**F15B 15/12**

IPC 8 full level

**F15B 11/12** (2006.01); **F15B 15/12** (2006.01)

CPC (source: EP)

**F15B 11/123** (2013.01); **F15B 15/12** (2013.01); **F15B 15/125** (2013.01)

Cited by

CN107002722A; EP1896730A4; US7895935B2; US11333175B2; US10458441B2; US10767669B2; US10030679B2; US11199248B2; US11927249B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 20219367 U1 20030213**; DE 50301729 D1 20051229; EP 1429037 A1 20040616; EP 1429037 B1 20051123

DOCDB simple family (application)

**DE 20219367 U 20021213**; DE 50301729 T 20031030; EP 03024778 A 20031030