

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

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