

Title (en)

Three-position rotary fluid actuator

Title (de)

Fluidbetätigter Dreistellungs-Drehantrieb

Title (fr)

Vérin fluide rotatif à trois positions

Publication

EP 1429037 A1 20040616 (DE)

Application

EP 03024778 A 20031030

Priority

DE 20219367 U 20021213

Abstract (en)

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.

Abstract (de)

Es wird ein fluidbetätigter Drehantrieb vorgeschlagen, der über eine erste Drehantriebseinheit (2) und eine zu dieser koaxiale zweite Drehantriebseinheit (3) verfügt, die derart miteinander in Wechselwirkung stehen, dass sich ein Dreistellungs-Drehantrieb ergibt, der bei kompaktem Aufbau die Möglichkeit bietet, seine Abtriebswelle (6) in insgesamt drei Stellungen zu positionieren. <IMAGE>

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)

Citation (search report)

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