

Title (en)

Pressure-driven hoisting device with self-locking spindle

Title (de)

Druckmittelbetriebene Hubvorrichtung mit selbsthemmender Gewindespindel

Title (fr)

Dispositif de levage actionné par pression fluïdique avec un axe fileté autobloquant

Publication

EP 1936208 B1 20120711 (DE)

Application

EP 07021865 A 20071110

Priority

DE 202006019452 U 20061223

Abstract (en)

[origin: DE202006019452U1] The lifting device has a linear actuator (1) coupled to a rotary actuator (2) by a driven shaft (7) which is connected in a positive or non-positive locking manner to the threaded spindle (4) of the linear actuator. A first (15) and a second flow control valve in the feed lines to the linear actuator restrict a partial fluid flow. On account of the functionality of the flow control valves, a synchronicity exists between the speed of the axial movement of the piston rod (3) of the linear actuator and the rotational speed of the threaded spindle driven by the rotary actuator.

IPC 8 full level

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CPC (source: EP)

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Cited by

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