

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

**F15B 15/26** (2006.01)

CPC (source: EP)

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Cited by

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**DE 202006019452 U1 20070329**; EP 1936208 A2 20080625; EP 1936208 A3 20090408; EP 1936208 B1 20120711

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