

Title (en)

HYDRAULIC TELESCOPIC ACTUATOR FOR A DUMP TRUCK

Publication

EP 0478841 B1 19930505 (DE)

Application

EP 90119147 A 19901005

Priority

EP 90119147 A 19901005

Abstract (en)

[origin: EP0478841A1] The hydraulic telescopic actuator intended for swinging up the dumping bridge of a dump truck is a synchronous actuator in which hydraulic fluid is enclosed in the annular space 70, 75 above each piston 10, 19 and is connected via an overflow passage 71 to the working space 73, 77 of the next intermediate tube 8, 18 on the inside. The central plunger 22 is designed as a tube, and the annular space 80 located above its piston 23 is fluidically connected to its inner space 83, which is subdivided by a floating piston 88 into a fluid space 84 and a gas-pressure chamber 85 in which there is a gas under pressure. In this way, the actuator is constantly loaded in the retraction direction and extends only while overcoming these forces too.

IPC 1-7

B60P 1/16; F15B 15/16

IPC 8 full level

F15B 15/04 (2006.01); **F15B 15/16** (2006.01)

CPC (source: EP)

F15B 15/04 (2013.01); **F15B 15/16** (2013.01)

Cited by

CN107725531A; CN106427730A; FR2738884A1; US5732811A; CN113550957A

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