

Title (en)

Lifting device for lifting heavy loads

Title (de)

Hubvorrichtung zum Heben schwerer Lasten

Title (fr)

Dispositif de levage destiné à soulever de lourdes charges

Publication

**EP 2878571 B1 20160413 (DE)**

Application

**EP 14190252 A 20141024**

Priority

DE 102013019722 A 20131127

Abstract (en)

[origin: US2015144853A1] A lift apparatus having a plurality of cylinder-piston assemblies arranged in pairs with respectively one hydraulic medium supply and drain. For each pair of assemblies, one cylinder-piston assembly is a command assembly and connected thereto is a hydraulic pressure supply. The respective other cylinder-piston assembly is a response assembly, with its supply connected to the drain of the command assembly. For synchronized lifting at several lift points without active regulation, at least three pairs of assemblies hydraulically cooperate with each other in a serial circuit with the hydraulic medium drain of the command assembly of an upstream pair of assemblies is connected to the hydraulic medium supply of the response assembly of the next downstream pair of assemblies and the hydraulic medium drain of the command assembly of the last pair of assemblies is connected to the hydraulic medium supply of the response assembly of a first assembly pair.

IPC 8 full level

**B66F 7/20** (2006.01)

CPC (source: CN EP US)

**B66F 3/24** (2013.01 - US); **B66F 3/46** (2013.01 - US); **B66F 7/20** (2013.01 - CN EP US); **B66F 7/28** (2013.01 - CN)

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DOCDB simple family (publication)

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