

Title (en)

A lifting device and a hydraulic system therefor, as well as a method for adapting the same

Title (de)

Hebevorrichtung und ein hydraulisches System dafür, sowie ein Verfahren zur Anpassung der gleichen

Title (fr)

Un dispositif de levage et un système hydraulique par conséquent, ainsi qu'un procédé pour adapter le même

Publication

EP 2476641 A1 20120718 (EN)

Application

EP 12150891 A 20120112

Priority

NL 2006021 A 20110118

Abstract (en)

Lifting device (3) comprising a frame (2) as well as a movable lifting arm (4) provided with a connecting device at a free end thereof for connecting a hydraulically operable tool (5) to the lifting arm (4). The lifting device (3) is provided with a hydraulic system for controlling a hydraulic actuator (50) of the tool. The hydraulic system comprises a reservoir (32) for hydraulic fluid disposed on the frame as well as a pump unit (31) connected to the reservoir for pumping hydraulic fluid through the hydraulic system; a control valve unit (33), which is connected to the pump unit; a first line (41) and a second line (42), which extend from the control valve unit (33) to the connecting device (8). The control valve unit (33) is designed for operatively connecting the first line (41) and the second line (42) at least alternately to the pump unit (31) for alternately pressurizing the first line (41) and the second line (42). The hydraulic system comprises a connecting line provided with a controllable connecting valve unit (33), which connecting line is connected to the first line (41) and the second line (42) in such a manner that the first line (41) and the second line (42) can be operatively connected to the pump unit (31) simultaneously for pressurizing the first line (41) and the second line (42) simultaneously.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

EP 1669317 B1 20100310 - BLEEKMAN JOHANNES GERARDUS [NL]

Citation (search report)

- [A] JP 2009143705 A 20090702 - CATERPILLAR JAPAN LTD
- [A] EP 1897846 A2 20080312 - DEERE & CO [US]
- [AD] EP 1669317 A1 20060614 - BLEEKMAN JOHANNES GERARDUS [NL]
- [A] US 5607251 A 19970304 - RAFN MARK D [US]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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