

Title (en)

Hydraulic installation for a forklift truck

Title (de)

Hydraulik-Installation an einem Gabelstapler-Fahrzeug

Title (fr)

Installation hydraulique pour chariot élévateur à fourche

Publication

EP 0872446 A3 20000503 (DE)

Application

EP 98107020 A 19980417

Priority

DE 19716442 A 19970420

Abstract (en)

[origin: EP0872446A2] The system includes a hydraulic lift drive formed as simple hydraulic cylinder (11), for a hydraulic ramp movable along a mast, and a hydraulic tilt drive for the mast. A lift control valve (14) has a first position corresponding to a lifting function, a second intermediate position maintained by a spring, corresponding to the standstill of the drive cylinder butt (13), and a third position corresponding to a lowering function. The released cross-section of a flow path is controllable in the first and third position. The control valve is formed as a 5/3-way valve (14), whose main butt is moved by a digital controllable electric servo-motor (96). A pressure sensor (107) produces electric output signals corresponding to the pressure in the drive chamber (12) of the lift drive cylinder.

IPC 1-7

B66F 9/22

IPC 8 full level

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CPC (source: EP)

B66F 9/22 (2013.01); **F15B 11/05** (2013.01); **F15B 13/015** (2013.01); **F15B 13/044** (2013.01); **F15B 2211/30525** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/351** (2013.01); **F15B 2211/353** (2013.01); **F15B 2211/6313** (2013.01); **F15B 2211/665** (2013.01); **F15B 2211/6654** (2013.01); **F15B 2211/761** (2013.01)

Citation (search report)

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- [A] EP 0546300 A1 19930616 - BOSCH GMBH ROBERT [DE]
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EP 0872446 A2 19981021; **EP 0872446 A3 20000503**; **EP 0872446 B1 20031022**; DE 19716442 A1 19981022; DE 59809944 D1 20031127

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