

Title (en)  
Electro-hydraulic control device

Title (de)  
Elektrohydraulische Steuervorrichtung

Title (fr)  
Dispositif de contrôle électro-hydraulique

Publication  
**EP 1635070 A1 20060315 (DE)**

Application  
**EP 05013372 A 20050621**

Priority  
DE 202004014029 U 20040908

Abstract (en)  
The electro-hydraulic control system for the load-carrying unit (V3) of a forklift truck has a pump (8) at a tank (T), with a supply line (9') and a tank line (11) and a rectifier circuit (35) holding a pressure with four non-return valves (39-42) and a diagonal (43). A proportional 2/2 path valve (25') is in the diagonal for the load lifting/lowering movements and a load pressure line (44) branches in the rectifier circuit for a load compensation system (L). The bridge is open on one side with three branches (36-38) with one connected to the supply line and one linked to the tank line. A non-return valve open to the tank line is moved selectively from the load pressure line between blocked and free settings. The load pressure line is incorporated in the load compensation, connected to a supply line feed control (Z).

IPC 8 full level  
**F15B 11/042** (2006.01); **B66F 9/22** (2006.01); **F15B 11/00** (2006.01); **F15B 11/044** (2006.01); **F15B 21/14** (2006.01)

CPC (source: EP)  
**F15B 11/006** (2013.01); **F15B 11/042** (2013.01); **F15B 11/044** (2013.01); **F15B 21/14** (2013.01)

Citation (applicant)  
• EP 0057355 A2 19820811 - SPERRY VICKERS [DE]  
• EP 0546300 A1 19930616 - BOSCH GMBH ROBERT [DE]  
• DE 4140408 A1 19930609

Citation (search report)  
• [XD] EP 0057355 A2 19820811 - SPERRY VICKERS [DE]  
• [AD] EP 0546300 A1 19930616 - BOSCH GMBH ROBERT [DE]  
• [AD] DE 4140408 A1 19930609

Cited by  
CN114033775A; CN113562194A; DE102006037631A1; DK179285B1; DE102007017472A1; DE102007017472B4; US2014174575A1; CN104298258A; US9328832B2; CN107588050A; CN114352595A

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DE SE

DOCDB simple family (publication)  
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**DE 202004014029 U 20040908**; DE 502005006256 T 20050621; EP 05013372 A 20050621