

Title (en)  
Hydraulic lifting device

Title (de)  
Hydraulische Hubvorrichtung

Title (fr)  
Dispositif de levage hydraulique

Publication  
**EP 1052215 B1 20120215 (DE)**

Application  
**EP 00108142 A 20000413**

Priority  
DE 19921629 A 19990510

Abstract (en)  
[origin: EP1052215A2] The hydraulic lift device includes a control device for changing the lifting or lowering speed of the lift cylinder (13). The control device has a measure sensor device (20) for detecting the lifting or lowering speed of the cylinder so that the speed of cylinder can be regulated by the speed of the motor (M) when the detected lift speed exceeds a first boundary value or the detected lowering speed exceeds a second boundary value. When the boundary values are understepped the speed of the lift cylinder can be regulated by the hydraulic oil volume flow in the supply or return pipeline. The supply line has a branch pipe through which during the load lifting operation hydraulic oil can be drawn off from the supply line. The branch pipe has a flow regulator valve used to change the volume flow of hydraulic fluid supplied to the cylinder.

IPC 8 full level  
**B66F 9/22** (2006.01); **E02F 9/22** (2006.01); **F15B 21/14** (2006.01)

CPC (source: EP)  
**B66F 9/22** (2013.01)

Cited by  
EP1188709A3; DE102004039848A1; EP2123594A1; US2022314848A1; EP1239167A1; CN102730608A; US2011162447A1; CN102116285A; US8196464B2; AU2010257399B2; US7441406B2; WO2020011957A1; WO2009141242A1

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**EP 1052215 A2 20001115; EP 1052215 A3 20050921; EP 1052215 B1 20120215; DE 19921629 A1 20001116; DE 19921629 B4 20050525**

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