

Title (en)  
Hydraulic circuit assembly

Title (de)  
Hydraulische Schaltungsanordnung

Title (fr)  
Agencement de circuit hydraulique

Publication  
**EP 2667038 A3 20150715 (DE)**

Application  
**EP 13002648 A 20130521**

Priority  
DE 102012010266 A 20120525

Abstract (en)  
[origin: EP2667038A2] The device has hydraulic lines (12,14) connected to hydraulic fluid inlet and hydraulic fluid return line for lifting/lowering hydraulic load. A drain control valve (26) is opened/closed to control flow of hydraulic fluid from load. A pilot valve (30) controls pilot pressure in control input (28) of drain control valve for opening pilot valve. A pressure-measuring device measures pressure in line (14) during lowering of load. A control device (42) controls pilot valve based on measured pressure such that preset pressure prevails in line (14) for opening drain control valve.

IPC 8 full level  
**F15B 11/044** (2006.01); **B66D 1/44** (2006.01)

CPC (source: EP)  
**B66D 1/44** (2013.01); **F15B 11/0445** (2013.01); **F15B 2211/50581** (2013.01); **F15B 2211/5153** (2013.01); **F15B 2211/526** (2013.01); **F15B 2211/528** (2013.01); **F15B 2211/6313** (2013.01); **F15B 2211/665** (2013.01); **F15B 2211/6654** (2013.01); **F15B 2211/7058** (2013.01); **F15B 2211/761** (2013.01)

Citation (search report)

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- [X] DE 102008024512 A1 20100128 - MANITOWOC CRANE GROUP F SAS [FR]
- [X] JP 2000255988 A 20000919 - KOBELCO CONSTR MACHINERY LTD
- [A] JP 2001341984 A 20011211 - HITACHI CONSTRUCTION MACHINERY

Cited by  
IT201800002731A1; DE102016201971A1; DE102016201971B4; CN108463615A; EP3397842A4; EP3104022A1; US2018180066A1; US10359058B2; WO2016200272A1; WO2017116573A1; WO2019158989A1; US10830257B2; US10900504B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2667038 A2 20131127; EP 2667038 A3 20150715; DE 102012010266 A1 20131128; DE 102012010266 B4 20150212**

DOCDB simple family (application)  
**EP 13002648 A 20130521; DE 102012010266 A 20120525**