

Title (en)

Hydraulic system of a mobile working machine

Title (de)

Hydraulikanlage einer mobilen Arbeitsmaschine

Title (fr)

Installation hydraulique d'une machine de travail mobile

Publication

EP 2657178 B1 20150930 (DE)

Application

EP 13162479 A 20130405

Priority

DE 102012103732 A 20120427

Abstract (en)

[origin: EP2657178A2] The system has a priority valve (P) arranged in a delivery line of a variable flow pump (1) for supply of a hydraulic steering device (L) with a pressure medium, and connected with the steering device by a conveying branch line (3a) and with a working hydraulics (A) by another conveying branch line (3b). A safety device has a shut-off valve device (130) arranged in the latter branch line that is guided to the hydraulics. The valve device is driven into a locking position at non-driven loads of the hydraulics and openable in an open position during controlling of the hydraulics loads. The shut-off valve device is designed as a servo-controlled non-return valve.

IPC 8 full level

B66F 9/22 (2006.01); **E02F 9/22** (2006.01); **F15B 11/00** (2006.01); **F15B 11/16** (2006.01)

CPC (source: EP)

B66F 9/22 (2013.01); **E02F 9/2217** (2013.01); **E02F 9/2225** (2013.01); **E02F 9/225** (2013.01); **E02F 9/226** (2013.01); **E02F 9/2285** (2013.01); **E02F 9/2292** (2013.01); **E02F 9/2296** (2013.01); **F15B 11/162** (2013.01); **F15B 2211/20553** (2013.01); **F15B 2211/20576** (2013.01); **F15B 2211/4053** (2013.01); **F15B 2211/411** (2013.01); **F15B 2211/41509** (2013.01); **F15B 2211/428** (2013.01); **F15B 2211/625** (2013.01); **F15B 2211/635** (2013.01); **F15B 2211/7142** (2013.01); **F15B 2211/85** (2013.01)

Cited by

CN106593982A; EP3127856A1

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

DOCDB simple family (publication)

EP 2657178 A2 20131030; **EP 2657178 A3 20140903**; **EP 2657178 B1 20150930**; **EP 2657178 B9 20151209**; DE 102012103732 A1 20131031

DOCDB simple family (application)

EP 13162479 A 20130405; DE 102012103732 A 20120427