

Title (en)

Hydraulic directional valve for the lifting gear of an agricultural vehicle

Title (de)

Hydraulisches Wegeventil für das Hubwerk eines landwirtschaftlichen Fahrzeugs

Title (fr)

Distributeur hydraulique pour le dispositif de levage d'un véhicule agricole

Publication

**EP 2600011 A3 20170308 (DE)**

Application

**EP 12191963 A 20121109**

Priority

DE 102011120302 A 20111203

Abstract (en)

[origin: EP2600011A2] The hydraulic directional valve (10) has a pump port (P), tank port (T) and one and another working ports (A,B), where the working ports are connected with a hydraulic cylinder (30) of a lifting unit of a mobile work machine, particularly an agricultural vehicle. The pump port is connectable with a hydraulic pump (40), where the pump port, the tank port and the working ports are blocked in one switching position (11). The pump port and former working port are blocked and the tank port is connected with latter working port in fifth switching position (15).

IPC 8 full level

**F15B 13/04** (2006.01)

CPC (source: EP US)

**F15B 13/04** (2013.01 - EP US); **F15B 2211/3122** (2013.01 - EP US); **F15B 2211/3127** (2013.01 - EP US); **F15B 2211/327** (2013.01 - EP US); **Y10T 137/85978** (2015.04 - EP US)

Citation (search report)

- [X] DE 19608758 A1 19970911 - REXROTH MANNESMANN GMBH [DE]
- [E] EP 2670987 A1 20131211 - PARKER HANNIFIN MFG FINLAND OY [FI]
- [AD] US 6971453 B2 20051206 - NORDHOFF HENDRIK [DE]

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 2600011 A2 20130605**; **EP 2600011 A3 20170308**; CN 103133445 A 20130605; CN 103133445 B 20170301;  
DE 102011120302 A1 20130606; US 2013139915 A1 20130606; US 9255587 B2 20160209

DOCDB simple family (application)

**EP 12191963 A 20121109**; CN 201210502130 A 20121130; DE 102011120302 A 20111203; US 201213690960 A 20121130