

Title (en)
Valve assembly for a mobile work machine

Title (de)
Ventilanordnung für eine mobile Arbeitsmaschine

Title (fr)
Agencement de soupapes pour une machine de travail mobile

Publication
EP 2620657 A3 20171004 (DE)

Application
EP 13150234 A 20130104

Priority
DE 102012001562 A 20120127

Abstract (en)
[origin: EP2620657A2] The valve arrangement has a control valve (1), over which a regenerative connection (C2) and another connection (C1) of a load are provided. A regeneration valve is provided with only two switched positions, over which pressurizing agent from the regenerative connection is derivable in a tank (6). The regeneration valve is opened between the connections above a predetermined pressure difference and is closed at the rest of the time. A control slide (14) of the control valve has a common regeneration- and working position (a).

IPC 8 full level
E02F 9/22 (2006.01); **F15B 11/024** (2006.01); **F15B 13/02** (2006.01); **F15B 13/04** (2006.01)

CPC (source: EP)
E02F 9/2217 (2013.01); **E02F 9/2267** (2013.01); **E02F 9/2296** (2013.01); **F15B 11/024** (2013.01); **F15B 13/021** (2013.01); **F15B 13/0403** (2013.01); **F15B 13/027** (2013.01); **F15B 2011/0243** (2013.01); **F15B 2211/30505** (2013.01); **F15B 2211/3133** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/7054** (2013.01); **F15B 2211/88** (2013.01)

Citation (search report)

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- [A] WO 2007019712 A1 20070222 - BUCHER HYDRAULICS AG [CH], et al
- [A] EP 0206934 A1 19861230 - SANYO KIKI KK [JP]

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GB2603727A; GB2603727B; CN109790859A; RU2732972C1; RU2732972C9; US10883523B2; WO2018056037A1; WO2021085016A1

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 2620657 A2 20130731; **EP 2620657 A3 20171004**; **EP 2620657 B1 20201111**; CN 103225632 A 20130731; CN 103225632 B 20200221; DE 102012001562 A1 20130801

DOCDB simple family (application)
EP 13150234 A 20130104; CN 201310028176 A 20130125; DE 102012001562 A 20120127