

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 B1 20201111 (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

F15B 13/04 (2006.01); **E02F 9/22** (2006.01); **F15B 11/024** (2006.01); **F15B 13/02** (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 (examination)

KR 20100044941 A 20100503 - VOLVO CONSTR EQUIP HOLDING SE [SE]

Cited by

JP2021071170A; 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

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