

Title (en)  
FLUID PRESSURE CONTROL DEVICE

Title (de)  
FLUIDDRUCKSTEUERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE COMMANDE DE PRESSION DE FLUIDE

Publication  
**EP 3683452 A4 20210602 (EN)**

Application  
**EP 18877548 A 20180706**

Priority  
• JP 2017220301 A 20171115  
• JP 2018025759 W 20180706

Abstract (en)  
[origin: EP3683452A1] A fluid pressure control device (100) includes: a first traveling control valve (20) controlling a flow of the working oil supplied and discharged to and from a first traveling motor (1); a cylinder control valve (25) controlling a flow of the working oil supplied to and discharged from a hydraulic cylinder (3); a first merging passage (17) introducing the working oil to the cylinder control valve (25) from a third driving pump (P3); a communication valve (40) to which the first merging passage (17) is connected. A throttle portion (60) applying resistance to the passing working oil is provided in the tank passage (51) communicating with a second pilot chamber (41b) of the communication valve (40).

IPC 8 full level  
**F15B 11/02** (2006.01); **E02F 9/22** (2006.01); **F15B 11/042** (2006.01); **F15B 11/17** (2006.01)

CPC (source: EP)  
**E02F 9/2239** (2013.01); **E02F 9/2267** (2013.01); **E02F 9/2292** (2013.01); **F15B 11/17** (2013.01); **F15B 11/0426** (2013.01); **F15B 2211/20576** (2013.01); **F15B 2211/40515** (2013.01); **F15B 2211/41509** (2013.01); **F15B 2211/428** (2013.01); **F15B 2211/635** (2013.01); **F15B 2211/6355** (2013.01); **F15B 2211/67** (2013.01); **F15B 2211/7135** (2013.01)

Citation (search report)  
• [XAY] JP 2013148175 A 20130801 - KOBELCO CONSTR MACHINERY LTD, et al  
• [Y] JP 2006242336 A 20060914 - HITACHI CONSTRUCTION MACHINERY  
• [A] EP 1598561 A2 20051123 - KAYABA INDUSTRY CO LTD [JP]  
• [A] WO 2013005393 A1 20130110 - KOBELCO CONSTR MACH CO LTD [JP], et al  
• [A] EP 1975324 A1 20081001 - VOLVO CONSTR EQUIP HOLDING SE [SE]  
• See references of WO 2019097758A1

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)  
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