

Title (en)
Hydraulic control device

Title (de)
Hydraulische Steueranordnung

Title (fr)
Commande hydraulique

Publication
EP 1701042 A3 20070314 (DE)

Application
EP 06101027 A 20060130

Priority
DE 102005011395 A 20050311

Abstract (en)
[origin: EP1701042A2] The hydraulic control device has a pressure regulator (32) pressurized by a constant force (Px) in the opening direction, lower pressure in closing direction downstream of the inlet metering orifice (40,44) and upstream of outlet metering orifice (42,46). The discharge flow of the pump (8) is adjustable as a function of larger of the two pressures.

IPC 8 full level
F15B 11/05 (2006.01)

CPC (source: EP US)
F15B 11/003 (2013.01 - EP US); **F15B 11/006** (2013.01 - EP US); **F15B 11/05** (2013.01 - EP US); **F15B 2211/3051** (2013.01 - EP US); **F15B 2211/30535** (2013.01 - EP US); **F15B 2211/30545** (2013.01 - EP US); **F15B 2211/30575** (2013.01 - EP US); **F15B 2211/351** (2013.01 - EP US); **F15B 2211/353** (2013.01 - EP US); **F15B 2211/50572** (2013.01 - EP US); **F15B 2211/528** (2013.01 - EP US); **F15B 2211/555** (2013.01 - EP US); **F15B 2211/57** (2013.01 - EP US); **F15B 2211/5753** (2013.01 - EP US); **F15B 2211/75** (2013.01 - EP US); **Y10T 137/87241** (2015.04 - EP US)

Citation (search report)
• [A] DE 10321914 A1 20041202 - BOSCH REXROTH AG [DE]
• [A] DE 3436246 A1 19860403 - DANFOSS AS [DK]
• [A] EP 1452744 A1 20040901 - BOSCH REXROTH AG [DE]

Cited by
DE102014005410A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1701042 A2 20060913; EP 1701042 A3 20070314; EP 1701042 B1 20081015; AT E411476 T1 20081015; DE 102005011395 A1 20060914; DE 502006001799 D1 20081127; DK 1701042 T3 20090216; US 2006201321 A1 20060914; US 7219591 B2 20070522

DOCDB simple family (application)
EP 06101027 A 20060130; AT 06101027 T 20060130; DE 102005011395 A 20050311; DE 502006001799 T 20060130; DK 06101027 T 20060130; US 35088606 A 20060210