

Title (en)
HYDRAULIC CONTROL ARRANGEMENT

Title (de)
HYDRAULISCHE STEUERANORDNUNG

Title (fr)
DISPOSITIF DE COMMANDE HYDRAULIQUE

Publication
EP 2013487 B1 20120815 (DE)

Application
EP 07724220 A 20070413

Priority
• EP 2007003280 W 20070413
• DE 102006018706 A 20060421

Abstract (en)
[origin: WO2007121873A1] The invention relates to a hydraulic control arrangement that is used particularly for controlling hydraulic consumers of a mobile machine tool. Said hydraulic control arrangement comprises a load signaling line to which the maximum load pressure of several hydraulic consumers that are simultaneously triggered via one respective main control valve can be applied, and a final section of which can be connected to a pump regulator. The hydraulic control arrangement further comprises a pressure relief valve which allows the control pressure to be limited in the final section of the load signaling line. In order to be able to easily and inexpensively control the pressure also for several hydraulic consumers, the pressure relief valve can be displaced in accordance with the level of a pilot signal that is used for triggering a main control valve.

IPC 8 full level
F15B 11/05 (2006.01)

CPC (source: EP US)
E02F 9/2203 (2013.01 - EP US); **E02F 9/2225** (2013.01 - EP US); **E02F 9/2232** (2013.01 - EP US); **E02F 9/2285** (2013.01 - EP US); **E02F 9/2296** (2013.01 - EP US); **F15B 11/165** (2013.01 - EP US); **F15B 11/166** (2013.01 - EP US); **F15B 2211/20507** (2013.01 - EP US); **F15B 2211/20553** (2013.01 - EP US); **F15B 2211/30505** (2013.01 - EP US); **F15B 2211/30535** (2013.01 - EP US); **F15B 2211/30555** (2013.01 - EP US); **F15B 2211/3111** (2013.01 - EP US); **F15B 2211/3144** (2013.01 - EP US); **F15B 2211/31576** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/6054** (2013.01 - EP US); **F15B 2211/6055** (2013.01 - EP US); **F15B 2211/6057** (2013.01 - EP US); **F15B 2211/654** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US); **F15B 2211/71** (2013.01 - EP US)

Cited by
DE102014004337B4

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006018706 A1 20071025; EP 2013487 A1 20090114; EP 2013487 B1 20120815; JP 2009534596 A 20090924; JP 5174804 B2 20130403; US 2009094972 A1 20090416; US 8281583 B2 20121009; WO 2007121873 A1 20071101

DOCDB simple family (application)
DE 102006018706 A 20060421; EP 07724220 A 20070413; EP 2007003280 W 20070413; JP 2009505756 A 20070413; US 29741007 A 20070413