

Title (en)
HYDRAULIC CIRCUIT

Title (de)
HYDRAULISCHE ANORDNUNG

Title (fr)
CIRCUIT HYDRAULIQUE

Publication
EP 2633129 B1 20180613 (DE)

Application
EP 11776751 A 20111026

Priority
• DE 102010043135 A 20101029
• EP 2011068765 W 20111026

Abstract (en)
[origin: WO2012055917A1] The invention relates to a hydraulic arrangement (10) for increasing an engine load. The hydraulic arrangement comprises a hydraulic load (28), a load pressure-controlled hydraulic pump (24), a hydraulic tank (26), and a hydraulic control circuit (30) which is connected to the hydraulic load (28) and with which a volume flow rate that is conducted from the hydraulic pump (24) can be changed. The hydraulic control circuit (30) comprises a pressure relief valve (42) and an electronically controllable control valve (36). The aim of the invention is to ensure a prioritization of the hydraulic load while simultaneously increasing the engine load. This is achieved in that the hydraulic control circuit (30) comprises a load pressure-controlled pressure balance (38) between the pressure relief valve (42) and the control valve (36).

IPC 8 full level
F02D 29/04 (2006.01); **F15B 21/0427** (2019.01); **E02F 9/22** (2006.01); **F15B 11/16** (2006.01); **F15B 15/00** (2006.01)

CPC (source: EP US)
E02F 9/2235 (2013.01 - EP US); **E02F 9/2296** (2013.01 - EP US); **F02D 29/04** (2013.01 - EP US); **F15B 11/161** (2013.01 - US); **F15B 11/165** (2013.01 - US); **F15B 15/00** (2013.01 - US); **F15B 21/0427** (2018.12 - EP US); **F15B 2211/20523** (2013.01 - EP US); **F15B 2211/20546** (2013.01 - EP US); **F15B 2211/40569** (2013.01 - EP US); **F15B 2211/426** (2013.01 - EP US); **F15B 2211/50518** (2013.01 - EP US); **F15B 2211/61** (2013.01 - EP US); **F15B 2211/633** (2013.01 - EP US); **F15B 2211/665** (2013.01 - EP US)

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)
DE 102010043135 A1 20120503; EP 2633129 A1 20130904; EP 2633129 B1 20180613; US 2013219874 A1 20130829; US 9284966 B2 20160315; WO 2012055917 A1 20120503

DOCDB simple family (application)
DE 102010043135 A 20101029; EP 11776751 A 20111026; EP 2011068765 W 20111026; US 201113818218 A 20111026