

Title (en)

CONTROL DEVICE FOR SUPPLYING AT LEAST ONE HYDRAULIC CONSUMER WITH FLUID

Title (de)

STEUERVORRICHTUNG ZUM VERSORGEN MINDESTENS EINES HYDRAULISCHEN VERBRAUCHERS MIT FLUID

Title (fr)

DISPOSITIF DE CONTRÔLE DE L'APPROVISIONNEMENT D'AU MOINS UN CONSOMMATEUR HYDRAULIQUE AVEC FLUIDE

Publication

EP 3625457 B1 20231206 (DE)

Application

EP 18722442 A 20180427

Priority

- DE 102017004634 A 20170515
- EP 2018060866 W 20180427

Abstract (en)

[origin: WO2018210550A1] The invention relates to a control apparatus for supplying at least one hydraulic consumer with fluid having a variable displacement pump (10) which may be controlled by means of a loadsensing pressure (LS), characterized in that, for a case-by-case increase in the volume flow in the supply (22) to the hydraulic consumer, the loadsensing pressure (LS) is passed via a control line (28) to a control device (2) which ensures the increase in the supply (22) by connecting in a constant-displacement pump (16) as soon as an operator calls for the relevant function by operating the control device (2).

IPC 8 full level

F04B 49/10 (2006.01); **F04B 49/00** (2006.01); **F15B 11/16** (2006.01)

CPC (source: EP US)

F04B 49/002 (2013.01 - EP); **F04B 49/106** (2013.01 - EP); **F15B 11/165** (2013.01 - EP US); **F15B 2211/20538** (2013.01 - EP); **F15B 2211/20546** (2013.01 - EP); **F15B 2211/20576** (2013.01 - EP); **F15B 2211/2654** (2013.01 - EP US); **F15B 2211/3116** (2013.01 - EP); **F15B 2211/45** (2013.01 - EP)

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 102017004634 A1 20181115; CN 211448991 U 20200908; EP 3625457 A1 20200325; EP 3625457 B1 20231206; EP 3625457 C0 20231206; JP 2020519815 A 20200702; JP 7130662 B2 20220905; US 11168710 B2 20211109; US 2020095987 A1 20200326; WO 2018210550 A1 20181122

DOCDB simple family (application)

DE 102017004634 A 20170515; CN 201890000650 U 20180427; EP 18722442 A 20180427; EP 2018060866 W 20180427; JP 2019555460 A 20180427; US 201816497013 A 20180427