

Title (en)

Method and hydraulic control device for controlling a consumer

Title (de)

Verfahren und hydraulische Steueranordnung zur Ansteuerung eines Verbrauchers

Title (fr)

Procédé et dispositif de commande hydraulique pour la commande d'un consommateur

Publication

EP 2644903 A3 20171206 (DE)

Application

EP 13001388 A 20130318

Priority

DE 102012006219 A 20120327

Abstract (en)

[origin: EP2644903A2] The method involves determining a pressure fluid volume supplied or discharged to a pressure chamber (6,8), to set a predetermined reference chamber pressure or a predetermined desired consumer location, such as a piston position of a hydraulic cylinder (2). The switching valve arrangement is controlled, such that the pressure chamber is removed or supplied with the predetermined hydraulic fluid volume. The actual pressure or the actual loading position are checked. The opening duration of the switching valve arrangement is modified to provide a desired hydraulic fluid volume. An independent claim is included for a digital hydraulic controlling arrangement for controlling of a consumer.

IPC 8 full level

F15B 11/00 (2006.01); **F15B 11/042** (2006.01)

CPC (source: EP)

F15B 11/006 (2013.01); **F15B 11/0426** (2013.01); **F15B 2211/30575** (2013.01); **F15B 2211/328** (2013.01); **F15B 2211/40592** (2013.01); **F15B 2211/427** (2013.01); **F15B 2211/455** (2013.01); **F15B 2211/46** (2013.01); **F15B 2211/6313** (2013.01); **F15B 2211/6336** (2013.01); **F15B 2211/6653** (2013.01); **F15B 2211/6654** (2013.01); **F15B 2211/6656** (2013.01)

Citation (search report)

- [XYI] WO 2007028863 A1 20070315 - SIIVONEN LAURI [FI], et al
- [IY] DE 3709211 A1 19881006 - WABCO WESTINGHOUSE STEUERUNG [DE]
- [IY] US 2002026869 A1 20020307 - MORITA HIROMICHI [JP], et al

Cited by

CN114483724A; US10180135B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2644903 A2 20131002; **EP 2644903 A3 20171206**; **EP 2644903 B1 20191113**; CN 103362894 A 20131023; CN 103362894 B 20161228; DE 102012006219 A1 20131002

DOCDB simple family (application)

EP 13001388 A 20130318; CN 201310191494 A 20130326; DE 102012006219 A 20120327