

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 A2 20131002 (DE)

Application

EP 13001388 A 20130318

Priority

DE 102012006219 A 20120327

Abstract (en)

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.

Abstract (de)

Offenbart sind ein Verfahren zur Ansteuerung eines Verbrauchers mit zwei Druckkammern (6,8) und eine digitalhydraulische Steueranordnung zur Ansteuerung eines Verbrauchers (2), wobei zur Ansteuerung des Verbrauchers einem Druckraum ein vorbestimmtes Druckmittelvolumen zuführbar oder von diesem ablassbar ist.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

US 5355772 A 19941018 - SHIMADA TAKAMICHI [JP], et al

Cited by

CN114483724A; US10180135B2

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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