

Title (en)

CONTROL APPARATUS FOR A FIRST TOOL AND A SECOND TOOL

Title (de)

STEUEREINRICHTUNG FÜR ERSTES UND ZWEITES ARBEITSGERÄT

Title (fr)

DISPOSITIF DE COMMANDE POUR UN PREMIER ET UN DEUXIÈME OUTIL DE TRAVAIL

Publication

**EP 2603704 B1 20151125 (DE)**

Application

**EP 11746472 A 20110810**

Priority

- DE 102010034187 A 20100812
- EP 2011003997 W 20110810

Abstract (en)

[origin: WO2012019758A1] The invention relates to a control apparatus for a first and a second tool (1, 2) operated by means of a pressure medium, in particular hydraulic oil, comprising a first supply circuit (3) for the first tool (1) and a second supply circuit (4) for the second tool (2). The control apparatus is or at least can be connected to a first pressure line (20) and to a second pressure line (21) of a control device to be operated in particular manually, by means of which control device the flow rate at the first tool (1) and at the second tool (2) can be changed. In order to improve the usability and to simplify the design, a novel control device is proposed, which is characterized in that a control valve (7) is provided jointly for the first and second supply circuits (3, 4) as the control device, the control valve (7) has three switching positions, namely: (a) the flow rate from the first pressure line (20) is available only to the first tool (1) and the flow rate from the second pressure line (21) is available only to the second tool (2), (b) the flow rate from the first and second pressure lines (20, 21) is available preferably to the first tool (1), (c) the flow rate from the first and second pressure lines (20, 21) is available preferably to the second tool (2).

IPC 8 full level

**F15B 11/17** (2006.01)

CPC (source: EP US)

**F15B 11/17** (2013.01 - EP US); **F15B 2211/2654** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US); **F15B 2211/781** (2013.01 - EP US)

Citation (examination)

DE 2550335 A1 19770518 - BARTH WILH FEUERLOESCHGERAETE

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 102010034187 A1 20120216**; CN 103119306 A 20130522; CN 103119306 B 20160921; EP 2603704 A1 20130619; EP 2603704 B1 20151125; US 2013139498 A1 20130606; WO 2012019758 A1 20120216; WO 2012019758 A8 20130228

DOCDB simple family (application)

**DE 102010034187 A 20100812**; CN 201180046214 A 20110810; EP 11746472 A 20110810; EP 2011003997 W 20110810; US 201113816449 A 20110810