

Title (en)
Hydraulic drive

Title (de)
Hydraulischer Antrieb

Title (fr)
Dispositif à actionnement hydraulique

Publication
EP 1387090 B1 20140430 (DE)

Application
EP 03015768 A 20030710

Priority
• DE 10235631 A 20020802
• DE 10329067 A 20030627

Abstract (en)
[origin: EP1387090A2] The hydraulic drive is for a double-action cylinder (2) with two cavities (12, 16), one of which is supplied from a store (8). To charge the store, fluid can be passed through a bypass line (22) and a flow valve or a pressure reduction valve, to facilitate charging while the system is in use. The system includes two pumps (30, 32) of different swept volumes.

IPC 8 full level
F15B 11/042 (2006.01); **B21D 5/00** (2006.01); **B21D 5/02** (2006.01); **F15B 1/027** (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP)
B21D 5/00 (2013.01); **B21D 5/02** (2013.01); **F15B 1/027** (2013.01); **F15B 11/0423** (2013.01); **F15B 11/0426** (2013.01); **F15B 15/1476** (2013.01); **F15B 2211/20515** (2013.01); **F15B 2211/20538** (2013.01); **F15B 2211/20584** (2013.01); **F15B 2211/30505** (2013.01); **F15B 2211/40515** (2013.01); **F15B 2211/41536** (2013.01); **F15B 2211/473** (2013.01); **F15B 2211/50518** (2013.01); **F15B 2211/50536** (2013.01); **F15B 2211/5151** (2013.01); **F15B 2211/5153** (2013.01); **F15B 2211/55** (2013.01); **F15B 2211/6336** (2013.01); **F15B 2211/6651** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/75** (2013.01)

Cited by
EP2165878A1; CN110848181A; CN103261706A; EP2280178A1; CN105673596A; ITMO20080243A1; CN104854353A; WO2012112130A1; US8215108B2; WO2012055579A1; WO2007031163A1; WO2011021986A1; WO2015185179A1; WO2012084093A1; DE102011108285A1; JP2009508060A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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EP 1387090 A2 20040204; EP 1387090 A3 20050622; EP 1387090 B1 20140430

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