

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
B21D 5/00 (2006.01); **B21D 5/02** (2006.01); **F15B 1/027** (2006.01); **F15B 11/042** (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; CN103261706A; CN110848181A; EP2280178A1; CN105673596A; ITMO20080243A1; CN104854353A; US8215108B2; WO2012112130A1; WO2012055579A1; WO2015185179A1; WO2011021986A1; WO2007031163A1; WO2012084093A1; DE102011108285A1; JP2009508060A

Designated contracting state (EPC)
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EP 1387090 A2 20040204; EP 1387090 A3 20050622; EP 1387090 B1 20140430

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