

Title (en)  
ELECTRO-HYDRAULIC DRIVE UNIT

Title (de)  
ELEKTROHYDRAULISCHE ANTRIEBSEINHEIT

Title (fr)  
GROUPE D'ENTRAÎNEMENT ÉLECTO-HYDRAULIQUE

Publication  
**EP 3523120 B1 20200422 (DE)**

Application  
**EP 17772687 A 20170921**

Priority  
• DE 102016118854 A 20161005  
• EP 2017073886 W 20170921

Abstract (en)  
[origin: WO2018065226A1] The invention relates to an electro-hydraulic drive unit comprising a cylinder-piston arrangement (1) having a piston-side first hydraulic operating chamber (5) and a piston-rod-side second hydraulic operating chamber (6), a tank (4), a variable-speed-driven hydraulic pump (3) having a tank connection (T) and an operating connection (P), a valve arrangement connected between the operating connection (P) of the hydraulic pump (3) and between the cylinder-piston arrangement (1), a feeder valve (8) connected between the tank (4) and the first hydraulic operating chamber (5), and a machine control. By means of said machine control, switch valves (S1-S6) of the valve arrangement can be switched between an application of the first hydraulic operating chamber (5) and of the second hydraulic operating chamber (6) of the cylinder-piston arrangement (1) in the pump operation of the hydraulic pump (3) from the operating connection (P) thereof. According to the invention, a hydraulic decompression module (9) having a hydraulic accumulator (10) is provided, which can be connected via a line arrangement (L) to a the second hydraulic operating chamber (6) by means of a charging/discharging valve (14) arranged therein.

IPC 8 full level  
**B30B 15/16** (2006.01); **B30B 15/20** (2006.01)

CPC (source: EP)  
**B30B 15/16** (2013.01); **B30B 15/163** (2013.01); **B30B 15/20** (2013.01)

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 102016118854 A1 20180405**; EP 3523120 A1 20190814; EP 3523120 B1 20200422; WO 2018065226 A1 20180412

DOCDB simple family (application)  
**DE 102016118854 A 20161005**; EP 17772687 A 20170921; EP 2017073886 W 20170921