

Title (en)
ELECTRO-HYDRAULIC DRIVE UNIT

Title (de)
ELEKTROHYDRAULISCHE ANTRIEBSEINHEIT

Title (fr)
GROUPE D'ENTRAÎNEMENT ÉLECTO-HYDRAULIQUE

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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.

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