

Title (en)

Electrohydraulic device for driving and remotely controlling a hydraulic distributor

Title (de)

Elektrohydraulische Antriebseinrichtung zur Fernsteuerung eines hydraulischen Verteilers

Title (fr)

Dispositif d'entraînement électro-hydraulique pour commander à distance un distributeur hydraulique

Publication

EP 0872645 B1 20031112 (EN)

Application

EP 98104126 A 19980309

Priority

IT MI970862 A 19970414

Abstract (en)

[origin: EP0872645A2] An electrohydraulic device for driving and remotely controlling a hydraulic distributor of a directional valve for pressurizing or connecting to the discharge a pair of user devices comprising: two proportional electric valves (1, 2), which are fed by a pressure line (P), have a discharge line (T), and are connected respectively to opposite end chambers (M, N) of a hydraulic distributor (6) adapted to pressurize or connect to the discharge (T) two user devices; remote control means adapted to generate an electric control signal to energize electromagnets (11, 12) of the electric valves (1, 2); and an electronic circuit (5a, 5b) adapted to control and adjust the energization current of the electromagnets as a function of the electric control signal; the energization current drives the electromagnets (11, 12) for the selective feeding of the chambers with a preset pressure or for their connection to the discharge across the electric valves in order to move the slider (3) of the distributor (6) proportionally to the energization current; the electronic circuit is integrated in the body that houses the hydraulic distributor. <IMAGE>

IPC 1-7

F15B 13/043

IPC 8 full level

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CPC (source: EP)

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Cited by

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