

Title (en)
HYDRAULIC SYSTEM FOR POWER ACTUATOR CONTROL IN VEHICLES

Publication
EP 0277602 A3 19890322 (DE)

Application
EP 88101298 A 19880129

Priority
DE 3703297 A 19870204

Abstract (en)
[origin: EP0277602A2] Hydraulic systems for operating actuators which are carried by a vehicle and have two hydraulic circuits fed by one pump each could not hitherto be interlinked in terms of energy in a favourable manner in such a way that each hydraulic circuit can additionally be supplied either only from the pump of the other hydraulic circuit or from both pumps. In order to make this possible: a) a bypass line 8 with a short-circuit valve 9 which can be electrically activated is allocated to both pumps 2, 11, b) the two hydraulic circuits are interlinked via an active interlinking element (check valve 19) which can be activated electrically, is closed in the non-activated state and permits flow of pressure medium in both directions, c) the short-circuit valves 9, 16 as well as the check valve 19 are activated via a logic circuit 22 as a function of the control position of an operating element with several control positions.

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F15B 11/16; F15B 21/08

IPC 8 full level
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E02F 9/2004 (2013.01); **E02F 9/2239** (2013.01); **E02F 9/2292** (2013.01); **F15B 11/17** (2013.01); **F15B 21/08** (2013.01); **F15B 2211/20538** (2013.01); **F15B 2211/20576** (2013.01); **F15B 2211/30505** (2013.01); **F15B 2211/30595** (2013.01); **F15B 2211/3111** (2013.01); **F15B 2211/40515** (2013.01); **F15B 2211/41563** (2013.01); **F15B 2211/426** (2013.01); **F15B 2211/45** (2013.01); **F15B 2211/78** (2013.01)

Citation (search report)
• [XP] EP 0235545 A2 19870909 - HITACHI CONSTRUCTION MACHINERY [JP]
• [A] US 4449365 A 19840522 - HANCOCK PETER D [US]
• [A] EP 0104613 A2 19840404 - VICKERS INC [US]
• [A] PATENT ABSTRACTS OF JAPAN, Band 7, Nr. 24 (M-189)[1169], 29. Januar 1983; & JP-A-57 177 407 (TOSHIBA KIKAI K.K.) 01-11-1982

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