Title (en)

APPARATUS FOR CONTROLLING FLUID FLOW

Publication

EP 0150308 A3 19861001 (EN)

Application

EP 84114156 A 19841123

Priority

US 57499184 A 19840130

Abstract (en)

[origin: EP0150308A2] A hydraulic fluid system comprising a fluid source, a plurality of hydraulic motors, and a plurality of control valves communicating with said source. Each valve has a neutral position and is selectively movable from its neutral position for controlling flow to a respective hydraulic motor. Means for moving a valve from its neutral position comprise means for communicating a pilot fluid flow from the source to one side of the valve to establish a predetermined differential pressure force on the valve. A fluid logic circuit provides a load sense pressure signal proportional to the highest load on a motor in the system, and the load sense pressure signal is continuously applied to both sides of each of the control valves so that the predetermined differential pressure applied to a valve is essentially unaffected by changes in the load sense pressure signal.

IPC 1-7

F15B 11/05; F15B 13/043

IPC 8 full level

F15B 11/05 (2006.01); **F15B 11/16** (2006.01); **F15B 13/04** (2006.01); **F15B 13/042** (2006.01)

CPC (source: EP)

F15B 11/165 (2013.01); **F15B 13/0416** (2013.01); **F15B 13/042** (2013.01); F15B 2211/20538 (2013.01); F15B 2211/30525 (2013.01); F15B 2211/329 (2013.01); F15B 2211/50536 (2013.01); F15B 2211/57 (2013.01); F15B 2211/6052 (2013.01); F15B 2211/6355 (2013.01); F15B 2211/7054 (2013.01); F15B 2211/7058 (2013.01); F15B 2211/71 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0150308 A2 19850807; **EP 0150308 A3 19861001**; JP S60159404 A 19850820

DOCDB simple family (application)

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