

Title (en)

Apparatus for controlling fluid flow.

Title (de)

Vorrichtung zur Steuerung eines Flüssigkeitsstromes.

Title (fr)

Appareil pour contrôler un courant de fluide.

Publication

EP 0150308 A2 19850807 (EN)

Application

EP 84114156 A 19841123

Priority

US 57499184 A 19840130

Abstract (en)

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.

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CPC (source: EP)

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Cited by

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