

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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IPC 8 full level

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Cited by

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