

Title (en)
AUTOMATIC HYDRAULIC VALVE

Publication
EP 0000303 B1 19800109 (FR)

Application
EP 78400021 A 19780614

Priority
FR 7718951 A 19770621

Abstract (en)
[origin: US4223694A] In a hydraulic circuit breaker comprising a housing with an inlet orifice connectable to the outlet of a hydraulic pump, a first outlet orifice connectable to the pressure chamber of a hydraulic pressure accumulator, and a second outlet orifice connectable to an open-center hydraulic circuit, a stepped bore in said housing, a piston of the differential type slidable in a fluid-tight manner in said bore and defining therewith an inlet chamber communicating with the inlet orifice and a control chamber, a constriction orifice of variable cross-section being provided between the inlet chamber and the second outlet orifice, and said inlet chamber communicating with said control chamber through a first passage comprising a first restriction and being also connected to the first outlet orifice by a connection comprising a non-return valve, there is further provided a resilient vessel having a variable-volume compartment connected to said control chamber, said vessel being adapted to connect said compartment to a second leakage passage forming a restriction when the pressure in said compartment reaches a first predetermined value, and to interrupt said connection to said leakage passage when the pressure in said compartment falls below a second predetermined value.

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F15B 1/02

IPC 8 full level
F15B 1/027 (2006.01)

CPC (source: EP US)
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Cited by
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