

Title (en)
HYDRAULIC CONTROL SYSTEM

Publication
EP 0160265 B1 19890111 (EN)

Application
EP 85104920 A 19850423

Priority
US 60560784 A 19840430

Abstract (en)
[origin: EP0160265A2] A hydraulic control system comprising a hydraulic actuator (20) and a variable displacement pump (22). A pilot pressure operated meter-in valve (27) controls the direction and velocity of the actuator through a pair of actuator lines (A, B). A pilot pressure operated meter-out valve (34d, 35d) is associated with each actuator line (A, b) for controlling the flow out of the actuator when that actuator line returns the flow to tank. A spring loaded poppet valve (41, 42) is associated with each actuator line (A, B) and a passage (90) extends from at least one of the poppet valves (41) to the meter-out valve (34d) and is operable, when the meter-out valve (34d) is closed after being open, to reduce the pressure holding the meter-out valve (34d) closed, thereby permitting the spring loaded poppet valve (41) to open at a relatively low pressure developed in one (A) of the lines associated with the one meter-out valve (34d), thereby allowing the one meter-out valve (34d) to open.

IPC 1-7
F15B 13/02

IPC 8 full level
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CPC (source: EP)
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Citation (examination)
• DE 3011088 A1 19801009 - SPERRY CORP
• EP 0085962 A2 19830817 - VICKERS INC [US]

Cited by
CN110667809A; CN104030163A; WO2017188869A1

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EP 0160265 A2 19851106; EP 0160265 A3 19860212; EP 0160265 B1 19890111; AU 4177085 A 19851107; AU 583504 B2 19890504; CA 1234529 A 19880329; DE 3567509 D1 19890216; IN 164362 B 19890304

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