Title (en)

POSITION CONTROL FOR A DOUBLE ACTING HYDRAULIC MOTOR

Publication

EP 0091018 B1 19860709 (DE)

Application

EP 83102914 A 19830324

Priority

US 36437382 A 19820401

Abstract (en)

[origin: US4437385A] A control system for controlling a double-acting cylinder includes four pilot-operated, proportional-type poppet valves for controlling fluid flow between the cylinder, a pump and a reservoir. Four solenoid-controlled pilot valves operate the poppet valves in response to error signals generated by a control circuit. The control circuit receives a cylinder position feedback signal and an operator-generated command signal. The control circuit provides for float, shutdown, variable deadband and pressure adjustment operation.

IPC 1-7

F15B 9/03; F15B 9/09

IPC 8 full level

F15B 9/09 (2006.01); **F15B 9/03** (2006.01); **F15B 11/00** (2006.01); **F15B 13/043** (2006.01)

CPC (source: EP US)

F15B 9/03 (2013.01 - EP US); **F15B 11/006** (2013.01 - EP US); **F15B 13/043** (2013.01 - EP US); F15B 2211/20546 (2013.01 - EP US); F15B 2211/30505 (2013.01 - EP US); F15B 2211/30575 (2013.01 - EP US); F15B 2211/328 (2013.01 - EP US); F15B 2211/6336 (2013.01 - EP US); F15B 2211/6346 (2013.01 - EP US); F15B 2211/6653 (2013.01 - EP US); F15B 2211/6654 (2013.01 - EP US); F15B 2211/6656 (2013.01 - EP US); F15B 2211/7053 (2013.01 - EP US); F15B 2211/7733 (2013.01 - EP US); F15B 2211/7741 (2013.01 - EP US)

Citation (examination)

- US 3726191 A 19730410 - JOHNSTON S, et al
- "3. Aachener fluidtechnisches Kolloquium 1978", Beiträge zum Fachgebiet Hydraulik, Band 2

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DE102008013602B4; FR2641829A1; US6712091B2; WO0159305A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0091018 A1 19831012; **EP 0091018 B1 19860709**; AT E20690 T1 19860715; AU 1292383 A 19831006; AU 550989 B2 19860410; BR 8301657 A 19831213; CA 1202100 A 19860318; DE 3364410 D1 19860814; DK 137783 A 19831002; DK 137783 D0 19830325; ES 520993 A0 19840401; ES 8404021 A1 19840401; JP H0610481 B2 19940209; JP S58180803 A 19831022; MX 155212 A 19880129; US 4437385 A 19840320; ZA 832274 B 19841128

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EP 83102914 A 19830324; AT 83102914 T 19830324; AU 1292383 A 19830329; BR 8301657 A 19830330; CA 423408 A 19830311; DE 3364410 T 19830324; DK 137783 A 19830325; ES 520993 A 19830325; JP 5344383 A 19830329; MX 19664683 A 19830318; US 36437382 A 19820401; ZA 832274 A 19830330