

Title (en)

Limit switch device for fluid actuators

Title (de)

Anschlagschaltvorrichtung für Druckmittelzylinder

Title (fr)

Dispositif de fin-de-courses pour vérins à fluide

Publication

EP 1013943 A1 20000628 (EN)

Application

EP 98650090 A 19981222

Priority

EP 98650090 A 19981222

Abstract (en)

A cylinder 1 has an outer housing 2 defining a pressure chamber and an inner piston 3 which is slidably movable through the pressure chamber. An electrical signal is provided from within the pressure chamber depending on the axial position of the piston 3 within the chamber. The piston 3 carries a contacting device which completes a circuit and provides a control signal. The control signal is generated at a pre-determined position before the piston 3 reaches the end of the stroke. The travel of the piston 3 is not restricted when the circuit is completed. A full bore side contact device is provided by an auxiliary plunger (31) which is slidably movable against the biasing of a spring 32 when the contact is made with a contact is made with a contact pin 30. <IMAGE>

IPC 1-7

F15B 15/28

IPC 8 full level

F15B 15/28 (2006.01)

CPC (source: EP)

F15B 15/2807 (2013.01)

Citation (search report)

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JP2013523421A; AU2010321267B2; CN102943784A; CN106041795A; US9080245B2; US7318313B2; WO2004068520A1; WO2011060876A1

Designated contracting state (EPC)

DE FR IE IT

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