

Title (en)

Differential pressure switching valve with electrical switch

Title (de)

Differenzdruck-Schaltventil mit elektrischem Schalter

Title (fr)

Vanne de commutation à pression différentielle avec commutateur électrique

Publication

EP 0962661 B1 20031210 (DE)

Application

EP 99107503 A 19990414

Priority

DE 29809936 U 19980603

Abstract (en)

[origin: EP0962661A1] The valve (D) has a antagonistic spring (G) which contacts a first piston (K1) with a counterforce overcoming the force of the spring arrangement (F). The antagonistic spring is switchable by a counter piston (K3). The first piston operates an electrical switch (S) via a push rod (13) jutting out from a boring (2) in the valve housing (1). The switch is located on the front of the housing with its own housing (3). The push rod passes through the counter piston and the antagonistic spring. The switch is in signal connection with a control appts of a machine tool.

IPC 1-7

F15B 11/028; B23B 31/30; H01H 35/38

IPC 8 full level

B23B 31/30 (2006.01); **B25B 5/06** (2006.01); **F15B 11/028** (2006.01); **H01H 35/38** (2006.01)

CPC (source: EP)

B25B 5/061 (2013.01); **F15B 11/028** (2013.01); **H01H 35/38** (2013.01); **F15B 2211/30505** (2013.01); **F15B 2211/40515** (2013.01); **F15B 2211/426** (2013.01); **F15B 2211/455** (2013.01); **F15B 2211/46** (2013.01); **F15B 2211/473** (2013.01); **F15B 2211/50554** (2013.01); **F15B 2211/526** (2013.01); **F15B 2211/57** (2013.01); **F15B 2211/7052** (2013.01); **F15B 2211/71** (2013.01); **F15B 2211/7128** (2013.01); **F15B 2211/76** (2013.01); **F15B 2211/7716** (2013.01)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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