

Title (en)

Actuation valve for a double-acting pneumatic cylinder and use of such a valve for a pneumatic-cylinder actuated creel

Title (de)

Betätigungsventil für einen zweiseitig wirksamen Pneumatikzylinder sowie Verwendung eines solchen Betätigungsventils für mittels Pneumatikzylindern ansteuerbare Spulengatter

Title (fr)

Distributeur d'actionnement pour un vérin pneumatique à double effet et utilisation d'un tel distributeur pour un cantre actionné par des vérins pneumatiques

Publication

EP 1357298 A3 20050928 (DE)

Application

EP 03008338 A 20030410

Priority

DE 10218589 A 20020426

Abstract (en)

[origin: EP1357298A2] The operating valve for a double acting pneumatic cylinder (8) with working chambers (8.3,8.4) uses a 3/2 way valve as a switching valve (L1). The non-operational switching valves of the 3/2 valve (L5) take the compressed air through-flow position when the switching valve is in the air vent position for one branch (L3).

IPC 1-7

F15B 11/00; **F15B 13/01**; **D02H 1/00**

IPC 8 full level

B65H 49/16 (2006.01); **F15B 11/00** (2006.01)

CPC (source: EP US)

B65H 49/16 (2013.01 - EP US); **F15B 11/003** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US); **F15B 2211/30505** (2013.01 - EP US); **F15B 2211/3051** (2013.01 - EP US); **F15B 2211/3057** (2013.01 - EP US); **F15B 2211/31576** (2013.01 - EP US); **F15B 2211/327** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/353** (2013.01 - EP US); **F15B 2211/40507** (2013.01 - EP US); **F15B 2211/46** (2013.01 - EP US); **F15B 2211/7107** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1357298 A2 20031029; **EP 1357298 A3 20050928**; **EP 1357298 B1 20130612**; CN 1325802 C 20070711; CN 1472443 A 20040204; DE 10253340 A1 20031120; DE 10253340 B4 20070215; HK 1061060 A1 20040903; US 2003201355 A1 20031030; US 6848641 B2 20050201

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