

Title (en)

Pneumatic cylinder with end of stroke cushioning means and dampening sleeve

Title (de)

Pneumatikzylinder mit Endlagendämpfung sowie Dämpferhülse

Title (fr)

Vérin pneumatique avec amortissement de fin de course et avec douille d'amortissement

Publication

EP 1845269 B1 20110615 (DE)

Application

EP 07005782 A 20070321

Priority

DE 102006017987 A 20060413

Abstract (en)

[origin: EP1845269A1] The cylinder has a housing in which a connecting rod unit (3) is supported in a linearly movable manner. A damper sleeve (5) attached to the connecting rod unit engages in front-side bearing units in end positions. A groove (8) of the damper sleeve is provided in a casing surface (9) axial to the damper sleeve, where the groove has different large cross-section areas based on higher speeds, loads, inertia and/or acceleration to be braked and necessary braking distance.

IPC 8 full level

F15B 15/22 (2006.01)

CPC (source: EP)

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Cited by

CN104121247A

Designated contracting state (EPC)

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