

Title (en)  
PNEUMATIC CYLINDER WITH DAMPING IN THE END POSITION

Title (de)  
PNEUMATIKZYLINDER MIT ENDLAGENDÄMPFUNG

Title (fr)  
VERIN PNEUMATIQUE A AMORTISSEMENT DE FIN DE COURSE

Publication  
**EP 1283958 B1 20060802 (DE)**

Application  
**EP 01943426 A 20010522**

Priority  
• DE 10025170 A 20000524  
• DE 10059051 A 20001128  
• EP 0105852 W 20010522

Abstract (en)  
[origin: WO0190585A1] The invention relates to a pneumatic cylinder with damping in the end position, also comprising a housing (1) in which at least one slide rod element (3) is mounted with at least one sealing element (6), in such a way that said slide rod element is linearly displaceable. At least one damper sleeve (5) or its bearing arrangement (13) is associated with the slide rod element (3), said bearing arrangement engaging with front-end bearing elements (2) in the end positions. According to the invention, the damper sleeve (5) or its bearing arrangement (13) has at least one indentation for damping in the end position and for ventilation.

IPC 8 full level  
**F15B 15/22** (2006.01)

CPC (source: EP US)  
**F15B 15/222** (2013.01 - EP US); **F15B 15/223** (2013.01 - EP US)

Cited by  
WO2008083717A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0190585 A1 20011129; WO 0190585 B1 20020328**; AT E335135 T1 20060815; CA 2410374 A1 20021121; DE 50110624 D1 20060914; EP 1283958 A1 20030219; EP 1283958 B1 20060802; US 2003140781 A1 20030731

DOCDB simple family (application)  
**EP 0105852 W 20010522**; AT 01943426 T 20010522; CA 2410374 A 20010522; DE 50110624 T 20010522; EP 01943426 A 20010522; US 29657602 A 20021122