

Title (en)
Cushioning device

Title (de)
Dämpfungsvorrichtung

Title (fr)
Dispositif d'amortissage

Publication
EP 1574722 A2 20050914 (EN)

Application
EP 05101898 A 20050311

Priority
DE 102004012083 A 20040312

Abstract (en)
The object of the present invention relates to a fluid cylinder (1) with end cushioning means comprising: a cylinder tube (2) having an internal space (3) in which a fluid and an axially moveable piston (4) are arranged in, and at least one end cap arrangement (5), whereby the end cap arrangement (5) comprises an end cap body (6) having an internal channel system (7), at least one fluid flow regulating member (9), and at least one cushioning member (8) cooperating with said piston (4) and fluidically connecting said internal space (3) and said internal channel system (7), having an cushioning area (8a) defining a cushioning length (L) for end cushioning said piston (4) in or near its stop position, whereby the cushioning member (8) of the end cap arrangement (5) is axially moveably arranged with regard to said piston (4), whereby said cushioning member (8) comprises at least one fixing means for fixing said cushioning member (8) in at least two different positions for realizing an adjustable cushioning length (L).
<IMAGE>

IPC 1-7
F15B 15/22; **F15B 15/08**

IPC 8 full level
F15B 15/08 (2006.01); **F15B 15/22** (2006.01)

CPC (source: EP)
F15B 15/082 (2013.01); **F15B 15/223** (2013.01)

Citation (applicant)
US 5307729 A 19940503 - HEDLUND STAFFAN [SE]

Cited by
CN106151164A; CN103573749A; CN105465094A; CN103518069A; EP2107255A1; EP2088330A3; CN102635590A; US2008289920A1; US8596431B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1574722 A2 20050914; **EP 1574722 A3 20051019**; DE 102004012083 A1 20050929

DOCDB simple family (application)
EP 05101898 A 20050311; DE 102004012083 A 20040312