

Title (en)

Fluid pressure actuator with end of stroke locking means

Title (de)

Fluidbetätigter Arbeitszylinder mit Endlagenverriegelung

Title (fr)

Vérin avec verrouillage de fin de course

Publication

EP 1788257 A3 20090902 (DE)

Application

EP 06021249 A 20061010

Priority

DE 202005018038 U 20051118

Abstract (en)

[origin: EP1788257A2] The fluid actuating cylinder has a housing (2) with a piston (6) forming two working chambers (12a,b). An end position lock (42) has a locking slide (44) movable between positions engaging and releasing the piston-rod assembly (13). The slide is sprung (58) into the locking position, and released during damping movement of the piston by fluid pressure. The pressure can be provided by a branch off the working fluid volume.

IPC 8 full level

F15B 15/22 (2006.01); **F15B 15/26** (2006.01)

CPC (source: EP)

F15B 15/223 (2013.01); **F15B 15/261** (2013.01)

Citation (search report)

- [AD] EP 0639120 B1 19971210 - FESTO AG & CO [DE], et al
- [A] EP 0246736 A1 19871125 - COLT INT HOLDINGS [CH]
- [A] DE 2146592 A1 19730322 - WESTINGHOUSE BREMSEN APPARATE
- [A] GB 564581 A 19441004 - BENDIX AVIAT CORP

Cited by

DE102015214895A1; NO20180431A1; CN102367821A; CN103899595A; CN105102828A; CN105402203A; WO2022204011A1

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 202005018038 U1 20060112; EP 1788257 A2 20070523; EP 1788257 A3 20090902; EP 1788257 B1 20120321

DOCDB simple family (application)

DE 202005018038 U 20051118; EP 06021249 A 20061010