

Title (en)
Pulling device for sliding elements

Title (de)
Einzugvorrichtung für Schiebelelemente

Title (fr)
Dispositif d'entrée pour éléments coulissant

Publication
EP 2377430 B1 20200617 (DE)

Application
EP 11173255 A 20080125

Priority

- DE 102007008688 A 20070220
- EP 08707280 A 20080125
- EP 2008000570 W 20080125

Abstract (en)
[origin: WO2008101582A2] The invention relates to a retracting mechanism, particularly for sliding elements, drawers, or sliding doors. Said retracting mechanism comprises a housing that accommodates a damping element. The damping element is provided with a piston rod which accommodates a piston that is movably guided within a damping cylinder. The housing also accommodates a coupling element which can be moved between a retracted position and a deployed position within a guide rail of the housing. A tension spring which, in the deployed position, biases the coupling element in the direction of the retracted position is connected to the coupling element. In order to be able to guide the coupling element in such a retracting mechanism in a stable manner with little structural effort, the piston rod is connected directly to the coupling element by means of a swivel bearing.

IPC 8 full level
A47B 88/467 (2017.01)

CPC (source: EP)
A47B 88/467 (2016.12); **E05F 1/16** (2013.01); **E05F 3/04** (2013.01); **E05F 5/003** (2013.01); **E05Y 2201/412** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/24** (2013.01); **E05Y 2900/20** (2013.01)

Citation (examination)

- DE 202004018189 U1 20050303 - VAUTH SAGEL HOLDING GMBH & CO [DE]
- WO 2008071168 A1 20080619 - ZIMMER GUENTHER [DE], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007008688 A1 20080821; CZ 24243 U1 20120903; CZ 24790 U1 20130110; DE 202007019190 U1 20110210;
DE 202008018154 U1 20111208; EP 2120644 A2 20091125; EP 2120644 B1 20170621; EP 2120644 B2 20200610; EP 2377430 A1 20111019;
EP 2377430 B1 20200617; EP 3666119 A1 20200617; ES 2639851 T3 20171030; ES 2639851 T5 20210329; ES 2815929 T3 20210331;
JP 2010519434 A 20100603; JP 5096499 B2 20121212; PL 2120644 T3 20171229; PL 2120644 T5 20201116; WO 2008101582 A2 20080828;
WO 2008101582 A3 20081120

DOCDB simple family (application)
DE 102007008688 A 20070220; CZ 201125011 U 20080125; CZ 201125012 U 20080125; DE 202007019190 U 20070220;
DE 202008018154 U 20080125; EP 08707280 A 20080125; EP 11173255 A 20080125; EP 2008000570 W 20080125; EP 20150642 A 20080125;
ES 08707280 T 20080125; ES 11173255 T 20080125; JP 2009549788 A 20080125; PL 08707280 T 20080125