

Title (en)

Return spring arrangement for door or window fittings and door or window fittings

Title (de)

Rückholfedereinrichtung für Tür- oder Fensterbeschläge sowie Tür- und/oder Fensterbeschläge

Title (fr)

Agencement à ressort de rappel pour ferrures de porte ou de fenêtre ainsi que des ferrures de porte et/ou de fenêtre

Publication

EP 1953311 A3 20100818 (DE)

Application

EP 07022753 A 20071123

Priority

DE 202007000380 U 20070104

Abstract (en)

[origin: EP1953311A2] The arrangement has a drive element (40) rotatably mounted in a housing against a spring (50) restoring force with a rectangular opening for a pin able to turn with at least one rotatable handle of the fitting. The housing has a shell (21) with a central opening for the drive and spring elements and two cut-outs (30,34) between which a stop element (26) for the spring element is formed. An independent claim is also included for a door fitting.

IPC 8 full level

E05B 3/06 (2006.01); **E05B 15/04** (2006.01); **E05B 63/04** (2006.01)

CPC (source: EP)

E05B 3/065 (2013.01); **E05B 3/04** (2013.01); **E05B 63/04** (2013.01)

Citation (search report)

- [X] DE 29810365 U1 19980730 - FSB FRANZ SCHNEIDER BRAKEL GMB [DE]
- [XA] WO 9310324 A1 19930527 - GAINSBOROUGH HARDWARE [AU]
- [X] US 3104906 A 19630924
- [XA] DE 9102683 U1 19910523
- [X] WO 9744556 A1 19971127 - ASSA AB [SE]
- [A] GB 2290341 A 19951220 - NT ARCHITECTURAL HARDWARE LTD [GB]
- [A] DE 20113717 U1 20011115 - HOPPE AG ST MARTIN [IT]

Cited by

US2018298635A1; ITBS20120038A1; CN109469406A; US9885200B2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 202007000380 U1 20080515; EP 1953311 A2 20080806; EP 1953311 A3 20100818; EP 1953311 B1 20130109; ES 2400522 T3 20130410; PL 1953311 T3 20130531; PT 1953311 E 20130313; SI 1953311 T1 20130430

DOCDB simple family (application)

DE 202007000380 U 20070104; EP 07022753 A 20071123; ES 07022753 T 20071123; PL 07022753 T 20071123; PT 07022753 T 20071123; SI 200731166 T 20071123