

Title (en)

SOFT CLOSING/OPENING ARRANGEMENT AND DEVICE FOR SLIDING STRUCTURES

Title (de)

SANFTE SCHLIESS-/ÖFFNUNGSANORDNUNG UND VORRICHTUNG FÜR GLEITSTRUKTUREN

Title (fr)

AGENCEMENT D'OUVERTURE/FERMETURE AMORTIE ET DISPOSITIF POUR STRUCTURES COULISSANTES

Publication

**EP 3865650 A1 20210818 (EN)**

Application

**EP 21157303 A 20210216**

Priority

IT 202000003065 A 20200217

Abstract (en)

A soft closing/opening device applicable to sliding structures of houses, offices or public places, comprising a longitudinal case (20) of predefined dimensions. The case comprises at least one shock absorbing cylinder (21) comprising a piston rod, a sled (22) sliding along the case (20) and connected to the piston rod, a slide (24) connected to the sled (22) and comprising a first portion configured to be able to protrude from the case (20) and a second portion configured to slide inside the case (20), at least one return spring (25) comprising a first end connected to the sled (22). The return spring (25) of the device (12) is positioned in opposition to the piston rod and works by compression. The invention also relates to a soft closing/opening arrangement which comprises an activator element and the soft closing/opening device (12).

IPC 8 full level

**E05F 1/16** (2006.01); **A47B 88/467** (2017.01); **E05F 5/00** (2017.01)

CPC (source: EP)

**A47B 88/467** (2016.12); **E05F 1/16** (2013.01); **E05F 5/003** (2013.01); **E05Y 2201/412** (2013.01); **E05Y 2201/474** (2013.01); **E05Y 2800/244** (2013.01); **E05Y 2800/422** (2013.01); **E05Y 2800/678** (2013.01); **E05Y 2900/20** (2013.01)

Citation (applicant)

- KR 20180050114 A 20180514 - LEE EUL HA [KR]
- JP 2007092386 A 20070412 - SHIMODAIRA KK

Citation (search report)

- [XYI] JP 2007092386 A 20070412 - SHIMODAIRA KK
- [Y] DE 102006019351 A1 20071025 - ZIMMER GUENTHER [DE], et al
- [A] US 2016340954 A1 20161124 - ZIMMER GUENTHER [DE], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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