

Title (en)
Self-closing device for sliding doors

Title (de)
Selbstschließende Vorrichtung für Schiebetüren

Title (fr)
Dispositif auto-fermant pour portes coulissantes

Publication
EP 2522799 A2 20121114 (EN)

Application
EP 12380019 A 20120427

Priority
• ES 201130763 A 20110512
• US 201113207162 A 20110810

Abstract (en)
Self-closing device for sliding doors of the type comprising at least one sliding leaf (2) which is hung from an upper profile (3). Said device (1) comprises a drive belt (10) configured to be joined to the sliding leaf (2); a closing pulley (20), provided with elastic means (30), which is arranged on a first rotation axis (4) integral to the upper profile (3) and which engages with a first end (11) of the drive belt (10); and a brake pulley (40), provided with stopping means (50), which is arranged on a second rotation axis (5) integral to the upper profile (3) and which engages with a second end (12) of the drive belt (10) opposite to the first end (11), thus the rotation movement of both pulleys (20, 40) being connected by the drive belt (10).

IPC 8 full level
E05F 1/08 (2006.01); **E05F 1/16** (2006.01); **E05F 5/00** (2017.01); **E05D 15/06** (2006.01)

CPC (source: BR EP ES RU)
E05F 1/12 (2013.01 - RU); **E05F 1/16** (2013.01 - BR EP ES); **E05F 5/00** (2013.01 - RU); **E05F 5/003** (2013.01 - BR EP ES); **E05D 15/063** (2013.01 - EP); **E05Y 2201/21** (2013.01 - EP); **E05Y 2201/216** (2013.01 - EP); **E05Y 2201/234** (2013.01 - EP); **E05Y 2201/26** (2013.01 - EP); **E05Y 2201/266** (2013.01 - EP); **E05Y 2201/482** (2013.01 - EP); **E05Y 2201/646** (2013.01 - EP); **E05Y 2201/648** (2013.01 - EP); **E05Y 2201/652** (2013.01 - EP); **E05Y 2201/668** (2013.01 - EP)

Cited by
CN105952317A; CN104763293A; CN117533463A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2522799 A2 20121114; **EP 2522799 A3 20160511**; **EP 2522799 B1 20170830**; AR 086023 A1 20131113; BR 102012010942 A2 20140107; BR 102012010942 A8 20180327; BR 102012010942 B1 20200211; CA 2775463 A1 20121112; CA 2775463 C 20181218; CL 2012000998 A1 20130125; CY 1119477 T1 20180307; DK 2522799 T3 20171204; ES 2393769 A1 20121227; ES 2393769 B1 20131104; ES 2645627 T3 20171207; HR P20171494 T1 20171229; HU E034971 T2 20180502; JP 2012237189 A 20121206; JP 5893494 B2 20160323; LT 2522799 T 20171025; MX 2012004661 A 20121126; MX 342654 B 20161006; PL 2522799 T3 20180131; PT 2522799 T 20171018; RS 56403 B1 20180131; RU 2012116611 A 20131027; RU 2580784 C2 20160410; SI 2522799 T1 20180228; ZA 201202884 B 20121227

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EP 12380019 A 20120427; AR P120101308 A 20120416; BR 102012010942 A 20120425; CA 2775463 A 20120423; CL 2012000998 A 20120419; CY 171101104 T 20171025; DK 12380019 T 20120427; ES 12380019 T 20120427; ES 201130763 A 20110512; HR P20171494 T 20171005; HU E12380019 A 20120427; JP 2012097798 A 20120423; LT 12380019 T 20120427; MX 2012004661 A 20120420; PL 12380019 T 20120427; PT 12380019 T 20120427; RS P20170986 A 20120427; RU 2012116611 A 20120425; SI 201231102 T 20120427; ZA 201202884 A 20120419