

Title (en)
ROLLER SHUTTER HAVING A DOOR LEAF IN THE FORM OF A FLEXIBLE CURTAIN

Title (de)
ROLLTOR MIT EINEM TORBLATT IN GESTALT EINES FLEXIBLEN BEHANGS

Title (fr)
PORTE ROULANTE PRÉSENTANT UN VANTAIL EN FORME DE RIDEAU SOUPLE

Publication
EP 2925947 B1 20171011 (DE)

Application
EP 13752632 A 20130822

Priority
• DE 102012111611 A 20121129
• EP 2013067473 W 20130822

Abstract (en)
[origin: WO2014082764A1] The invention relates to a roller shutter (100), in particular a high-speed roller shutter, having: a door leaf (110) in the form of a flexible curtain, lateral guides, in which lateral edges of the door leaf (110) are received, and a drive (140) which generates a driving force for driving the door leaf (110), wherein the door leaf (110) has an elastically designed terminating element (112) on a forward edge, which tensions the lateral guides by means of laterally attached transverse force components. Said roller shutter (100) is in particular characterized in that the driving force of the drive (140) engages on the terminating element (112) of the door leaf (110) and provides the laterally attached transverse force components for tensioning the terminating element (112) of the door leaf (110) and a tension force component, substantially directed in the movement direction of the door leaf (110), for closing the door leaf (110). An improved roller shutter (100) is thus achieved, which has high operational reliability and represents less danger to people or objects in cases of collision.

IPC 8 full level
E06B 9/13 (2006.01); **E06B 9/58** (2006.01); **E06B 9/62** (2006.01)

CPC (source: EP US)
E05F 15/41 (2015.01 - US); **E05F 15/686** (2015.01 - US); **E05F 15/70** (2015.01 - US); **E06B 9/13** (2013.01 - EP US); **E06B 9/58** (2013.01 - US); **E06B 9/581** (2013.01 - EP US); **E06B 9/62** (2013.01 - EP US); **E06B 9/70** (2013.01 - US); **E06B 9/80** (2013.01 - US); **E05Y 2900/11** (2013.01 - EP US); **E06B 2009/6836** (2013.01 - US); **E06B 2009/6845** (2013.01 - US)

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

DOCDB simple family (publication)
WO 2014082764 A1 20140605; AU 2013351491 A1 20150604; AU 2013351491 B2 20160428; CA 2890825 A1 20140605; CA 2890825 C 20171114; CN 104822892 A 20150805; CN 104822892 B 20170825; DE 102012111611 A1 20140605; DE 102012111611 A8 20140731; DK 2925947 T3 20180102; EA 028318 B1 20171130; EA 201591035 A1 20150930; EP 2925947 A1 20151007; EP 2925947 B1 20171011; ES 2645492 T3 20171205; HU E035437 T2 20180502; IL 238399 A0 20150630; IL 238399 B 20180731; JP 2016502001 A 20160121; JP 6063057 B2 20170118; MX 2015005300 A 20151009; MX 356616 B 20180606; NO 2929377 T3 20180922; PL 2925947 T3 20180430; PT 2925947 T 20180111; SI 2925947 T1 20180131; US 2015337594 A1 20151126; US 9840869 B2 20171212

DOCDB simple family (application)
EP 2013067473 W 20130822; AU 2013351491 A 20130822; CA 2890825 A 20130822; CN 201380062679 A 20130822; DE 102012111611 A 20121129; DK 13752632 T 20130822; EA 201591035 A 20130822; EP 13752632 A 20130822; ES 13752632 T 20130822; HU E13752632 A 20130822; IL 23839915 A 20150421; JP 2015543352 A 20130822; MX 2015005300 A 20130822; NO 13859792 A 20131101; PL 13752632 T 20130822; PT 13752632 T 20130822; SI 201330850 T 20130822; US 201314646156 A 20130822