

Title (en)  
MOTORISED AND VERTICALLY MOVABLE LIFTING DOOR

Title (de)  
MOTORISCH BETÄTIGBARES UND VERTIKAL BEWEGBARES HUBTOR

Title (fr)  
PORTE RELEVABLE MOTORISÉE ET MOBILE VERTICALEMENT

Publication  
**EP 3263820 A1 20180103 (DE)**

Application  
**EP 16176550 A 20160628**

Priority  
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Abstract (en)  
[origin: CA2981276A1] The present invention relates to a gate with a gate panel, comprising several gate panel sections which are hingedly coupled to each other by way of hinges, where a hinge comprises two hinge panels of adjacent gate panel sections, at least one elongate drive means which is connected to at least one gate panel section, and at least one guide means which is suitable to guide the gate panel during its motion. In order to optimize the gate with regard to its installation space, in particular in the width and depth direction, and to ensure simple and inexpensive yet at the same time still reliable operation of the gate, it is proposed to arrange the elongated drive means at least in sections received in the gate panel section.

Abstract (de)  
Die vorliegende Erfindung betrifft ein Tor mit einem Torblatt, mit mehrere Torblattsektion die mittels Scharnieren gelenkig miteinander verbunden sind, wobei ein Scharnier zwei Scharniergewerbe benachbarter Torblattsektionen aufweist, wenigstens einem längeres Antriebsmittel, welches mit wenigstens einer Torblattsektion verbunden ist und wenigstens einem Führungsmitteln welches geeignet ist, das Torblatt während dessen Bewegung zu führen. Um das Tor hinsichtlich seines Bauraums, insbesondere in der Breite und Tiefe, zu optimieren und dabei einen einfachen und kostengünstigen, aber gleichzeitig dennoch zuverlässige Betrieb des Tores sicherzustellen, wird vorgeschlagen das längliche Antriebsmittel zumindest abschnittsweise in den Torblattsektion aufgenommen anzuordnen.

IPC 8 full level  
**E06B 9/15** (2006.01); **E05D 15/24** (2006.01); **E05F 15/684** (2015.01); **E06B 9/58** (2006.01); **E06B 9/62** (2006.01); **E06B 9/68** (2006.01); **E06B 9/90** (2006.01)

CPC (source: EP US)  
**E05D 15/242** (2013.01 - EP US); **E05F 15/684** (2015.01 - EP US); **E06B 9/0638** (2013.01 - EP); **E06B 9/15** (2013.01 - EP US); **E06B 9/171** (2013.01 - US); **E06B 9/581** (2013.01 - EP US); **E05Y 2900/106** (2013.01 - EP US); **E06B 9/582** (2013.01 - EP US); **E06B 9/62** (2013.01 - EP US); **E06B 9/68** (2013.01 - EP US); **E06B 9/70** (2013.01 - US); **E06B 9/90** (2013.01 - EP US); **E06B 2009/0684** (2013.01 - EP); **E06B 2009/1555** (2013.01 - EP US); **E06B 2009/1566** (2013.01 - US); **E06B 2009/1583** (2013.01 - EP US); **E06B 2009/588** (2013.01 - EP US); **E06B 2009/6836** (2013.01 - EP US); **E06B 2009/6845** (2013.01 - EP US); **E06B 2009/6872** (2013.01 - EP US)

Citation (applicant)  
• DE 4015214 A1 19911114 - EFAFLEX TRANSPORT LAGER [DE]  
• WO 2009112562 A1 20090917 - HOERMANN KG ANTRIEBSTECHNIK [DE], et al  
• DE 19952038 A1 20001019 - MARANTEC ANTRIEB STEUERUNG [DE]

Citation (search report)  
• [A] EP 0945575 A2 19990929 - LAMSFUSS NORBERT [DE]  
• [A] DE 202012012514 U1 20130415 - ALPHA DEUREN INTERNAT BV [NL]  
• [A] WO 2015144729 A1 20151001 - ASSA ABLOY ENTRANCE SYSTEMS AB [SE]  
• [A] EP 2148040 A1 20100127 - BUBENDORFF [FR]  
• [AD] DE 4015214 A1 19911114 - EFAFLEX TRANSPORT LAGER [DE]

Cited by  
EP3803020A4; DE102016225078A1; WO2018108424A1; DE102016225079A1; WO2018109191A1

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Designated extension state (EPC)  
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