

Title (en)

DRIVE DEVICE FOR ENTRANCE AND EXIT DEVICES OF PUBLIC TRANSPORT VEHICLES

Title (de)

ANTRIEBSVORRICHTUNG FÜR EIN- UND AUSSTIEGSEINRICHTUNGEN VON FAHRZEUGEN DES ÖFFENTLICHEN PERSONENVERKEHRS

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT POUR DISPOSITIFS D'ACCÈS ET DE SORTIE DE VÉHICULES DE TRANSPORT PUBLIC

Publication

**EP 2769041 A1 20140827 (DE)**

Application

**EP 11771185 A 20111021**

Priority

EP 2011068417 W 20111021

Abstract (en)

[origin: WO2013056743A1] The invention relates to a drive device (10) for embarkation and disembarkation devices of public transportation vehicles, comprising a drive unit (11) which is arranged within a rotary column (20) and drives same. The drive unit rotates the rotary column (20) about the rotary column longitudinal axis Z-Z during opening and closing processes of the embarkation and disembarkation devices. The drive device (10) is supported on the vehicle, and the drive unit (11) has a drive motor (30), a non-self-locking reduction gear (31), and a controllable blocking means (32) with which a rotation of the rotary column (20) can be blocked. According to the invention, the drive device (10) additionally has a sensor (50) with which the magnitude of an external force can be detected, said force acting on the drive device (10). The drive device (10) further has means for analyzing signals of the sensor (50) and for triggering the blocking effect of the blocking means (32) when an external force measured by the sensor (50) exceeds a threshold.

IPC 8 full level

**E05F 15/614** (2015.01)

CPC (source: EP US)

**E05F 15/43** (2015.01 - US); **E05F 15/611** (2015.01 - EP US); **E05F 15/614** (2015.01 - EP US); **E05F 15/63** (2015.01 - EP US);  
**E05F 15/40** (2015.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/23** (2013.01 - EP US); **E05Y 2201/244** (2013.01 - EP US);  
**E05Y 2201/246** (2013.01 - EP US); **E05Y 2400/3014** (2024.05 - EP US); **E05Y 2400/44** (2013.01 - EP US); **E05Y 2400/525** (2013.01 - EP US);  
**E05Y 2400/61** (2013.01 - EP US); **E05Y 2800/00** (2013.01 - EP US); **E05Y 2800/25** (2013.01 - EP US); **E05Y 2800/262** (2013.01 - EP US);  
**E05Y 2900/51** (2013.01 - EP 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 2013056743 A1 20130425**; CN 104011311 A 20140827; CN 104011311 B 20160706; EP 2769041 A1 20140827; EP 2769041 B1 20160316;  
ES 2574909 T3 20160623; PL 2769041 T3 20160930; RU 2014120467 A 20151127; RU 2570974 C1 20151220; US 2015027058 A1 20150129;  
US 9212513 B2 20151215

DOCDB simple family (application)

**EP 2011068417 W 20111021**; CN 201180075681 A 20111021; EP 11771185 A 20111021; ES 11771185 T 20111021; PL 11771185 T 20111021;  
RU 2014120467 A 20111021; US 201114353103 A 20111021