Title (en)

VEHICLE DOOR DEVICE

Title (de)

FAHRZEUGTÜRVORRICHTUNG

Title (fr)

DISPOSITIF DE PORTE DE VÉHICULE

Publication

EP 2752351 A4 20150603 (EN)

Application

EP 12828383 A 20120817

Priority

- JP 2011187971 A 20110830
- JP 2012070894 W 20120817

Abstract (en)

[origin: EP2752351A1] A vehicle door device that is provided has double sliding doors and can ensure an airtight state that is applicable to high-speed vehicles. A door open-close drive mechanism 12 is installed at the top of double sliding doors 11, and drives doors 11 to be opened and closed. Vehicle width direction guiding mechanisms 15 guide the doors 11 so as to move in the vehicle width direction along with the operation of the door open-close drive mechanism 12. First pressing mechanisms 16 press the doors 11 toward the vehicle body by pressing the doors 11 outward in the vehicle width direction on the door trailing end sides when the doors 11 are in the fully-closed position. Second pressing mechanisms 17 are installed at the bottom of the doors 11, and press the doors 11 toward the vehicle body by pressing the doors 11 outward in the vehicle width direction on the door leading end sides when the doors 11 are in the fully-closed position.

IPC 8 full level

B61D 19/02 (2006.01)

CPC (source: EP US)

B61D 19/005 (2013.01 - EP US); **B61D 19/008** (2013.01 - EP); **B61D 19/02** (2013.01 - EP); **E05F 15/632** (2015.01 - EP US); **E05F 15/635** (2015.01 - EP US); **E05F 15/652** (2015.01 - EP US); **E05F 15/655** (2015.01 - EP US); E05Y 2900/51 (2013.01 - EP US); E05Y 2900/531 (2013.01 - EP US)

Citation (search report)

- [A] AT 374151 B 19840326 - SIMMERING GRAZ PAUKER AG [AT]
- [A] JP 2004058741 A 20040226 - NIPPON SHARYO SEIZO KK
- See references of WO 2013031553A1

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)

EP 2752351 A1 20140709; **EP 2752351 A4 20150603**; **EP 2752351 B1 20200429**; CN 103781690 A 20140507; CN 103781690 B 20180907; JP WO2013031553 A1 20150323; TW 201318895 A 20130516; TW I503241 B 20151011; WO 2013031553 A1 20130307

DOCDB simple family (application)

EP 12828383 A 20120817; CN 201280042231 A 20120817; JP 2012070894 W 20120817; JP 2013531212 A 20120817; TW 101130223 A 20120821