Title (en)

SLIDING DOOR DEVICE FOR A LATERAL OPENING OF A VEHICLE, AND VEHICLE WITH SLIDING DOOR DEVICE

Title (de)

SCHIEBETÜREINRICHTUNG FÜR DIE SEITLICHE TÜRÖFFNUNG EINES PERSONENKRAFTFAHRZEUGS; PERSONENKRAFTFAHRZEUG MIT SCHIEBETÜREINRICHTUNG

Title (fr)

SYSTÈME DE PORTE COULISSANTE POUR UNE OUVERTURE DE PORTE LATÉRALE D'UNE VOITURE PARTICULIÈRE ; VOITURE PARTICULIÈRE COMPRENANT UN SYSTÈME DE PORTE COULISSANTE

Publication

EP 3052728 A1 20160810 (DE)

Application

EP 14777073 A 20140926

Priority

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- EP 2014070634 W 20140926

Abstract (en)

[origin: WO2015044357A1] The invention relates to a sliding door device for laterally opening a door of a passenger vehicle, at least comprising a door (10) and a drive device (40, 40') for moving the door (10) transversely to and along the longitudinal axis of the passenger vehicle. The sliding door device is designed such that the door (10) is flush with the lateral wall of the passenger vehicle in the closed state, whereas the door (10) lies outside against the lateral wall of the passenger vehicle in the open state. The drive device (40, 40') is arranged below or above the door opening of the passenger vehicle and comprises a support (20) to which a first rotor (30) is attached in a movable manner along the longitudinal axis of the support (20). By means of a transmission unit, a second rotor (31) can be moved relative to the support (20) along the longitudinal axis of the support (20) by the movement of the first rotor (30), said door (10) being attached to the second rotor (31), and the support (20) is mounted in a movable manner relative to the passenger vehicle transversely to the longitudinal axis of the passenger vehicle. The first rotor (30) is connected to a driving element (26) which is guided within a first guide track (51) that is located on the passenger vehicle in a fixed manner, and a second guide track (61) is located on the vehicle on the door opening side opposite the drive device (40, 40'), a guide element (12) which is connected to the door (10) being guided in said second guide track.

IPC 8 full level

E05D 15/10 (2006.01)

CPC (source: EP KR US)

E05C 17/003 (2013.01 - KR); **E05D 15/0686** (2013.01 - US); **E05D 15/1047** (2013.01 - US); **E05D 15/1081** (2013.01 - EP US); **E05F 15/00** (2013.01 - US); **E05F 15/655** (2015.01 - KR); E05D 2015/1097 (2013.01 - EP US); E05F 15/643 (2015.01 - EP US); E05Y 2201/612 (2013.01 - KR); E05Y 2201/64 (2013.01 - KR); E05Y 2201/684 (2013.01 - KR); E05Y 2800/122 (2013.01 - EP US); E05Y 2900/531 (2013.01 - US)

Citation (search report)

See references of WO 2015044357A1

Cited by

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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

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BA ME

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