

Title (en)
DOOR DRIVE FOR VEHICLE SLIDING DOOR SYSTEM

Title (de)
TÜRANTRIEB FÜR FAHRZEUGSCHIEBETÜRSYSTEM

Title (fr)
ENTRAÎNEMENT DE PORTIÈRE POUR SYSTÈME DE PORTIÈRE COULISSANTE DE VÉHICULE

Publication
EP 4232674 A1 20230830 (DE)

Application
EP 21794508 A 20211014

Priority
• DE 202020106072 U 20201023
• EP 2021078466 W 20211014

Abstract (en)
[origin: WO2022084146A1] The invention relates to a vehicle sliding door system (20) having a door portal (24) and a door opening, at least one sliding door (22) with a vertical front lateral edge (26) in the closing direction of the sliding door (22) and a vertical rear lateral edge (26) in the closing direction of the sliding door (22), and a door drive for displacing the sliding door (22). Said a vehicle sliding door system is characterised in that the door drive – has a cable (30) the first end of which is attached to the sliding door (22) in the region of the front vertical lateral edge (26) and the second end of which is attached to the sliding door in the region of the rear vertical lateral edge (28),- has a coupling element (50) which is connected to the cable (30) and which is connected to a motor (54) attached to the door portal (24) laterally adjacent to the door portal (24), which motor drives the coupling element (50) in such a manner that the cable (30) can be moved along its longitudinal direction in both directions of movement and displaces the sliding door (22).

IPC 8 full level
E05F 15/643 (2015.01); **E05F 15/652** (2015.01); **E05F 15/655** (2015.01)

CPC (source: EP US)
E05F 15/643 (2015.01 - EP US); **E05F 15/652** (2015.01 - EP); **E05F 15/655** (2015.01 - EP); **E05F 15/662** (2015.01 - US); **E05Y 2201/22** (2013.01 - EP); **E05Y 2201/24** (2013.01 - EP); **E05Y 2201/624** (2013.01 - EP); **E05Y 2201/654** (2013.01 - EP US); **E05Y 2201/664** (2013.01 - EP); **E05Y 2201/668** (2013.01 - EP US); **E05Y 2201/696** (2013.01 - EP); **E05Y 2201/70** (2013.01 - EP); **E05Y 2201/708** (2013.01 - EP); **E05Y 2600/45** (2013.01 - EP); **E05Y 2900/531** (2013.01 - EP US)

Citation (search report)
See references of WO 2022084146A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 202020106072 U1 20220125; EP 4232674 A1 20230830; US 2023399886 A1 20231214; WO 2022084146 A1 20220428

DOCDB simple family (application)
DE 202020106072 U 20201023; EP 2021078466 W 20211014; EP 21794508 A 20211014; US 202118250052 A 20211014