

Title (en)

A RAIL MECHANISM WHICH PROVIDES DOOR OPENING AND CLOSING

Title (de)

SCHIENENMECHANISMUS ZUM ÖFFNEN UND SCHLIESSEN VON TÜREN

Title (fr)

MÉCANISME DE RAIL PERMETTANT L'OUVERTURE ET LA FERMETURE DE PORTE

Publication

EP 3790751 A1 20210317 (EN)

Application

EP 18917843 A 20180808

Priority

- TR 201806565 A 20180509
- TR 2018050419 W 20180808

Abstract (en)

[origin: WO2019216844A1] The present invention relates to a rail mechanism (100) in order to provide opening and closing of sliding doors (10) in vehicles. As an improvement, the subject matter rail mechanism (100) comprises a primary rail (20) fixed onto the vehicle body (11), at least one roller (30) positioned inside said primary rail (20) and which provides advancing of the door (10) between an open position (I) and a closed position (II), a first arm (40) whose one end is connected to the end part of said roller (30) in door (10) opening direction by means of a first hinge (41) and whose other end is connected to the edge of the door (10) in the door (10) closing direction and an extendable second arm (50) whose one end is connected to the end part of said roller (30) in the door (10) closing direction by means of a second hinge (51) and whose other end is connected to the edge of the door (10) in the door (10) opening direction.

IPC 8 full level

B60J 5/06 (2006.01)

CPC (source: EP)

E05D 15/1005 (2013.01); **E05D 15/101** (2013.01); **E05F 15/635** (2015.01); **E05F 15/655** (2015.01); **E05D 2015/1028** (2013.01); **E05D 2015/1031** (2013.01); **E05Y 2201/624** (2013.01); **E05Y 2800/122** (2013.01); **E05Y 2800/372** (2013.01); **E05Y 2900/531** (2013.01)

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

DOCDB simple family (publication)

WO 2019216844 A1 20191114; EP 3790751 A1 20210317; EP 3790751 A4 20210609; TR 201806565 A2 20180723

DOCDB simple family (application)

TR 2018050419 W 20180808; EP 18917843 A 20180808; TR 201806565 A 20180509