

Title (en)

Door opening and closing device for vehicle

Title (de)

Türöffnungs- und -schließvorrichtung für ein Fahrzeug

Title (fr)

Dispositif d'ouverture et de fermeture de portière d'un véhicule

Publication

EP 1884610 A2 20080206 (EN)

Application

EP 07252625 A 20070628

Priority

JP 2006177782 A 20060628

Abstract (en)

A door opening and closing device for a vehicle, includes a superlocking mechanism capable of switching over connection and disconnection between a knob lever and a locking lever. In this device, the knob lever (61) is relatively non-turnably connected to a turning shaft (58) which relatively turnably supports a driving member (40). The driving member (40) is turned by a door-locking motor (35) to drive the locking lever (29) to turn. The superlocking mechanism (65) includes a joint lever (67) which is capable of sliding and which is relatively non-turnably connected to the turning shaft (58) which is capable of sliding, a connection shaft (68) which is provided on the joint lever (67) so as to be switched over between a connected state and a disconnected state in response to the sliding of the joint lever (67), and a superlocking link (69) which is operated to slide so as to switch over the connected state and the disconnected state between the connection shaft (68) and the driving member (40).

IPC 8 full level

B60J 5/00 (2006.01); **E05B 65/20** (2006.01); **E05B 77/24** (2014.01); **E05B 79/22** (2014.01); **E05B 83/36** (2014.01)

CPC (source: EP)

E05B 77/28 (2013.01); **E05B 81/16** (2013.01); **E05B 81/06** (2013.01)

Cited by

EP2412903A4; CN109429921A; US9574379B2; US11187017B2; US8919827B2; WO2012146223A3

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1884610 A2 20080206; **EP 1884610 A3 20101201**; **EP 1884610 B1 20120111**; JP 2008007990 A 20080117; JP 4875417 B2 20120215

DOCDB simple family (application)

EP 07252625 A 20070628; JP 2006177782 A 20060628