

Title (en)

CLOSING DEVICE FOR A MOTOR-VEHICLE HOOD

Title (de)

SCHLIESSVORRICHTUNG FÜR EINE KRAFTFAHRZEUGHAUBE

Title (fr)

DISPOSITIF DE FERMETURE D'UN CAPOT DE VÉHICULE AUTOMOBILE

Publication

**EP 3099872 B1 20191002 (DE)**

Application

**EP 15713626 A 20150202**

Priority

- DE 102014201799 A 20140131
- DE 2015000035 W 20150202

Abstract (en)

[origin: WO2015113547A1] The problem addressed by the invention is that of providing a closing device for a motor vehicle, by means of which a gap in a door or flap can be minimized. One aim in particular is to minimise the risk of injury. To solve this problem, a closing device comprises a locking mechanism that consists of a rotary latch and a pawl for locking said rotary latch in place. A drive is provided, with which said locking mechanism can be moved, totally or partially, by means of a pivot lever, also called a rocker, such that a gap in a door or flap can be reduced. Therefore, when a door or flap is closed, a gap initially remains between the door and doorframe, or between a frame and its associated flap. The drive allows the rocker, and therefore the locking mechanism or parts thereof, to be moved such that this gap is reduced. In order to minimise the weight and number of parts, the rotary latch and pawl are preferably rotatably secured to the rocker by means of shafts.

IPC 8 full level

**E05B 81/20** (2014.01); **E05B 83/24** (2014.01)

CPC (source: CN EP US)

**E05B 77/08** (2013.01 - EP US); **E05B 81/16** (2013.01 - EP US); **E05B 81/20** (2013.01 - CN EP US); **E05B 81/66** (2013.01 - EP US); **E05B 83/24** (2013.01 - CN EP US); **E05B 77/08** (2013.01 - CN); **E05B 81/06** (2013.01 - CN EP US); **E05B 81/14** (2013.01 - CN EP US); **E05B 81/64** (2013.01 - CN EP US); **E05B 81/66** (2013.01 - CN)

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)

**WO 2015113547 A1 20150806**; CN 105960499 A 20160921; CN 105960499 B 20190419; DE 102014201799 A1 20150806; EP 3099872 A1 20161207; EP 3099872 B1 20191002; US 10329806 B2 20190625; US 2017009494 A1 20170112

DOCDB simple family (application)

**DE 2015000035 W 20150202**; CN 201580006468 A 20150202; DE 102014201799 A 20140131; EP 15713626 A 20150202; US 201515115780 A 20150202