

Title (en)

LOCKING DEVICE FOR A MOTOR VEHICLE BONNET

Title (de)

SCHLIESSVORRICHTUNG FÜR EINE MOTORHAUBE EINES KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF DE VERROUILLAGE POUR CAPOT DE VÉHICULE AUTOMOBILE

Publication

**EP 3445931 A1 20190227 (DE)**

Application

**EP 17718016 A 20170324**

Priority

- DE 102016107128 A 20160418
- DE 102016107512 A 20160422
- DE 2017100243 W 20170324

Abstract (en)

[origin: WO2017182026A1] The invention relates to a locking device for a motor vehicle bonnet, wherein the locking device comprises a locking mechanism with a rotary latch (1) and a pawl (2) for locking the rotary latch (1) in a main latching position. Wherein the locking device also comprises a catch hook (3) which can define an opening movement of a lock retainer (4) in a secure position which is between an intended closed position and an intended open position after opening the locking mechanism, characterised in that the catch hook (3) comprises a load dependent barrier (6), and the locking device is designed such that a movement of the lock retainer (4) in the direction of the barrier (6) is defined by the barrier (6) dependent on the load in the intended locked position, such that the lock retainer (4) only goes in further than the intended closed position when there is an overload. A further developed locking device with pedestrian protection can also be provided.

IPC 8 full level

**E05B 77/08** (2014.01)

CPC (source: EP US)

**E05B 17/0062** (2013.01 - EP US); **E05B 77/08** (2013.01 - EP US); **E05B 83/24** (2013.01 - US)

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)

**DE 102016107512 A1 20171019**; CN 109312579 A 20190205; CN 109312579 B 20201106; EP 3445931 A1 20190227; EP 3445931 B1 20200212; US 12000185 B2 20240604; US 2024035316 A1 20240201; WO 2017182026 A1 20171026

DOCDB simple family (application)

**DE 102016107512 A 20160422**; CN 201780036203 A 20170324; DE 2017100243 W 20170324; EP 17718016 A 20170324; US 201716094486 A 20170324