

Title (en)
DOOR-STOPPING DEVICE WITH A PLURALITY OF HOLDING POSITIONS

Title (de)
TÜRSTOPPVORRICHTUNG MIT MEHREREN HALTEPOSITIONEN

Title (fr)
DISPOSITIF D'ARRET DE PORTE A POSITIONS DE MAINTIEN MULTIPLES

Publication
EP 3394373 B1 20200819 (FR)

Application
EP 16829290 A 20161223

Priority
• FR 1502695 A 20151224
• FR 2016053669 W 20161223

Abstract (en)
[origin: WO2017109441A1] The invention relates to a door-stopping device comprising a connecting arm (1) and a locking mechanism (2), one being secured to the door leaf, and the other to the frame, said connecting arm (1) comprising at least one face provided with a plurality of successive notches (11), in each of which a blocking element (21) can be housed, said blocking element being subjected to the effect of elastic return means (22), while a mobile carriage (3) can slide along the connecting arm (1) on which it is mounted, at the same time providing a certain resistance to movement. Said mobile carriage (3) comprises inclined ramps (32) for holding the blocking element (21) outside the notches (11) during the phases during which the door-locking device is in the unlocked mode. The device according to the invention is particularly applicable to motor vehicle doors.

IPC 8 full level
E05C 17/20 (2006.01); **E05C 17/22** (2006.01)

CPC (source: EP US)
E05C 17/203 (2013.01 - EP US); **E05C 17/22** (2013.01 - EP 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

DOCDB simple family (publication)
WO 2017109441 A1 20170629; CN 108884696 A 20181123; CN 108884696 B 20200320; EP 3394373 A1 20181031; EP 3394373 B1 20200819; FR 3046193 A1 20170630; JP 2019505702 A 20190228; JP 6959651 B2 20211102; US 10450783 B2 20191022; US 2019003218 A1 20190103

DOCDB simple family (application)
FR 2016053669 W 20161223; CN 201680075055 A 20161223; EP 16829290 A 20161223; FR 1502695 A 20151224; JP 2018532143 A 20161223; US 201616065172 A 20161223