

Title (en)

ELECTROMECHANICAL SAFETY GEAR DEVICE FOR ELEVATOR APPARATUS

Title (de)

ELEKTROMECHANISCHE FANGVORRICHTUNG FÜR AUFZUGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ENGRENAGE DE SÉCURITÉ ÉLECTROMÉCANIQUE POUR APPAREIL D'ASCENSEUR

Publication

EP 3789335 A2 20210310 (EN)

Application

EP 20382790 A 20200907

Priority

ES 201930777 A 20190906

Abstract (en)

Electromechanical safety gear device for elevator apparatus, that can be electronically activated for the emergency braking of a car longitudinally movable along a guide (1), the device comprising an engagement block integral with the car. The device comprises an activation plate (2) movable with respect to the guide (1) and operable by the activation mechanism, and a guiding element (4) of a braking element (6), movable by a guiding mechanism (3) in a direction parallel to the guide (1). The activation plate (2) additionally comprises a friction element (12) for defining relative positions of the activation plate (2) with respect to the guide (1): a standby position, with the activation plate (2) spaced from the guide (1), an active position, in which the friction element (12) contacts said guide (1), and a braking position.

IPC 8 full level

B66B 5/22 (2006.01)

CPC (source: EP ES)

B66B 5/18 (2013.01 - ES); **B66B 5/22** (2013.01 - EP)

Citation (applicant)

- EP 1813566 A1 20070801 - MITSUBISHI ELECTRIC CORP [JP]
- EP 1902993 A1 20080326 - WITTUR AG [DE]
- EP 2651810 A1 20131023 - INVENTIO AG [CH]

Cited by

CN113479738A; CN113928951A; US2022402726A1; US11891274B2; US11975945B1

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)

EP 3789335 A2 20210310; **EP 3789335 A3 20210317**; **EP 3789335 B1 20220713**; ES 2821007 A1 20210423; ES 2821007 B2 20220221; ES 2928390 T3 20221117

DOCDB simple family (application)

EP 20382790 A 20200907; ES 201930777 A 20190906; ES 20382790 T 20200907