

Title (en)
BRAKING DEVICE FOR ELEVATOR APPARATUS AND ASSOCIATED BRAKING METHOD

Title (de)
BREMSVORRICHTUNG FÜR AUFZUGSEINRICHTUNG UND ZUGEHÖRIGES BREMSVERFAHREN

Title (fr)
DISPOSITIF DE FREINAGE POUR APPAREIL ÉLEVATEUR ET PROCÉDÉ DE FREINAGE ASSOCIÉ

Publication
EP 3789334 A1 20210310 (EN)

Application
EP 20382791 A 20200907

Priority
ES 201930780 A 20190906

Abstract (en)
Braking device for elevator apparatus, comprising a braking element (7) that can engage a guide (1) and to a catching element (6) to immobilize the cabin, an electromagnet (3) for activating the braking element (7), and an articulated actuating mechanism (4), linked to the braking element (7). The actuating mechanism (4) comprises a first arm (13), linked to an electromagnet (3), a second arm (14), pivoting with respect to the first arm (13), a third arm (16), pivoting with respect to the second arm (14) through a second joint (18), and linked to the braking element (7), which it moves, and a friction element (20), linked to a second end (19) of the third arm (16), and capable of engaging the guide (1) to obtain a safe position of the cabin on the guide (1).

IPC 8 full level
B66B 5/20 (2006.01)

CPC (source: EP ES)
B66B 5/18 (2013.01 - ES); **B66B 5/20** (2013.01 - EP)

Citation (applicant)

- WO 2013052059 A1 20130411 - OTIS ELEVATOR CO [US], et al
- EP 1902993 A1 20080326 - WITTUR AG [DE]
- EP 3147248 A1 20170329 - OTIS ELEVATOR CO [US]
- WO 2017087978 A1 20170526 - OTIS ELEVATOR CO [US]
- ES 2622333 T3 20170706 - INVENTIO AG [CH]

Citation (search report)

- [XII] US 2007007083 A1 20070111 - HUSMANN JOSEF [CH]
- [I] EP 3153451 A1 20170412 - COBIANCHI LIFTTEILE AG [CH]

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 3789334 A1 20210310; EP 3789334 B1 20230628; ES 2821014 A1 20210423; ES 2952134 T3 20231027

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