

Title (en)

SAFETY DEVICE OF A LIFT SYSTEM, LIFT SYSTEM AND METHOD FOR OPERATING SUCH SAFETY DEVICE

Title (de)

SICHERHEITSEINRICHTUNG EINER AUFZUGSANLAGE, AUFZUGSANLAGE UND VERFAHREN ZUM BETREIBEN EINER SOLCHEN SICHERHEITSEINRICHTUNG

Title (fr)

DISPOSITIF DE SÉCURITÉ D'UNE INSTALLATION D'ASCENSEUR, INSTALLATION D'ASCENSEUR ET PROCÉDÉ POUR LE FONCTIONNEMENT DUDIT DISPOSITIF DE SÉCURITÉ

Publication

EP 3621910 B1 20210623 (DE)

Application

EP 18722996 A 20180508

Priority

- DE 102017110256 A 20170511
- EP 2018061753 W 20180508

Abstract (en)

[origin: WO2018206518A1] The invention relates to a safety device for a lift system, comprising a safety element, which keeps a safety system deactivated in a release position and activates the safety system in a blocking position, wherein the safety element exerts a driving force (F1), the effect of which is oriented in such a way as to transfer the safety element from the release position into the blocking position. The safety device also comprises a retaining element (300) which exerts a retaining force (F2) on the safety element in such a way that the retaining force (F2) counteracts the driving force (F1) in order to retain the safety element in the release position. In addition, in the release position of the safety element, the retaining force (F2) exceeds the driving force (F1) by a tolerance value (T), wherein the tolerance value (T) can be adjusted according to different operating modes that are possible in the release position of the safety element, and wherein, in order to transfer the safety element into the blocking position, the safety device is configured to reduce the retaining force in such a way that the driving force (F1) exceeds the retaining force (F2). The invention also relates to a lift system and to a method for operating a safety device.

IPC 8 full level

B66B 5/16 (2006.01)

CPC (source: EP US)

B66B 1/32 (2013.01 - US); **B66B 5/16** (2013.01 - EP); **B66B 5/22** (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

DOCDB simple family (publication)

DE 102017110256 A1 20181115; CN 110636985 A 20191231; CN 110636985 B 20220125; EP 3621910 A1 20200318; EP 3621910 B1 20210623; ES 2890439 T3 20220119; US 11225397 B2 20220118; US 2020165102 A1 20200528; WO 2018206518 A1 20181115

DOCDB simple family (application)

DE 102017110256 A 20170511; CN 201880030577 A 20180508; EP 18722996 A 20180508; EP 2018061753 W 20180508; ES 18722996 T 20180508; US 201816612078 A 20180508