

Title (en)  
BRAKING APPARATUS FOR AN ELEVATOR SYSTEM

Title (de)  
BREMSVORRICHTUNG FÜR EINE AUFZUGSANLAGE

Title (fr)  
DISPOSITIF DE FREINAGE POUR INSTALLATION D'ASCENSEUR

Publication  
**EP 2978702 A1 20160203 (DE)**

Application  
**EP 13776429 A 20130919**

Priority  
• CH 6882013 A 20130328  
• EP 2013069522 W 20130919

Abstract (en)  
[origin: WO2014154306A1] Braking apparatus (1) for an elevator system for generating friction locking on a guide rail (2) of the elevator system, wherein the braking apparatus comprises the following: a brake caliper (3) comprising two limbs (3e) which are mounted pivotably, wherein one end of each limb (3e) is connected to a brake lining carrier (3b), and wherein the opposite end of each limb (3e) is connected in articulated fashion to a toggle lever (6), wherein the toggle lever (6) comprises a first lever (6a) and a second lever (6b), which are connected in articulated fashion to one another via a toggle lever joint (6c), wherein the first and second levers (6a, 6b) are connected in articulated fashion to in each case one of the limbs (3e), wherein a linear drive (7) is arranged running between the two limbs (3e) and along the two limbs (3e), and wherein the linear drive (7) is connected to the toggle lever joint (6c) via a connecting part (8) in order to actuate the brake caliper (3), wherein the connecting part (8) comprises a pretensioned spring (10), and wherein the connecting part (8) is configured in such a way that the connecting part (8) is extended under tension when a pretensioning force (Vk) preset by the pretensioned spring (10) is exceeded, and wherein the linear drive (7) is mounted pivotably about a pivot axis (7f), wherein the pivot axis (7f) and the axis of rotation (6d) of the toggle lever joint (6c) run substantially parallel.

IPC 8 full level  
**B66B 5/18** (2006.01)

CPC (source: EP)  
**B66B 5/18** (2013.01)

Citation (search report)  
See references of WO 2014154306A1

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)  
**CH 707833 A1 20140930**; CN 105358462 A 20160224; CN 105358462 B 20170524; EP 2978702 A1 20160203; EP 2978702 B1 20171129; ES 2654673 T3 20180214; HK 1216170 A1 20161021; PL 2978702 T3 20180530; TR 201802372 T4 20180321; WO 2014154306 A1 20141002

DOCDB simple family (application)  
**CH 6882013 A 20130328**; CN 201380076813 A 20130919; EP 13776429 A 20130919; EP 2013069522 W 20130919; ES 13776429 T 20130919; HK 16104036 A 20160408; PL 13776429 T 20130919; TR 201802372 T 20130919