

Title (en)
ACTUATION OF A SAFETY BRAKE

Title (de)
BETÄTIGUNG EINER SICHERHEITSBREMSE

Title (fr)
ACTIONNEMENT D'UN FREIN DE SÉCURITÉ

Publication
EP 2788271 B1 20150415 (DE)

Application
EP 12797818 A 20121127

Priority
• EP 11192831 A 20111209
• EP 2012073674 W 20121127
• EP 12797818 A 20121127

Abstract (en)
[origin: WO2013083430A1] In an elevator system, an elevator car (2) is movably arranged along guide rails (6), and the elevator car (2) is equipped with a brake system with preferably two elevator braking devices (20, 20'). The elevator braking device (20, 20') is provided on a brake rod (7), preferably on a brake rod (7) integrated into a guide rail (6), in order to brake an elevator car (2). The elevator braking device (20) includes a brake housing (21) and a first brake element (22). The brake element is movably arranged on the brake housing (21) and is designed to be moved with the brake rod (7) upon contacting the brake rod (7) and upon a relative movement between the brake rod (7) and the brake housing (21). In this manner, the brake rod (7) is clamped, and the brake housing (21) is braced. The elevator braking device (20, 20') further includes a pusher (25) which is arranged on the brake housing (21) such that the brake rod (7) can be arranged between the first brake element (22) and the pusher (25) with the required passage clearance. If necessary, the pusher (25) can be advanced in the direction of the first brake element (22) and pressed against the brake rod (7) which can be arranged between the first brake element (22) and the pusher (25). In this manner, the first brake element (22) is likewise forcibly brought into contact with the brake rod (7). The elevator braking device (20) further includes a pressing lever (28) which is pivotally mounted on the brake housing (21) and which acts on the pusher (25) upon request in order to press the pusher against the brake rod (7) and bring the first brake element (22) into contact with the brake rod (7).

IPC 8 full level
B66B 5/18 (2006.01); **B66B 5/20** (2006.01)

CPC (source: EP US)
B66B 5/18 (2013.01 - EP US); **B66B 5/20** (2013.01 - EP US); **B66B 5/24** (2013.01 - US)

Cited by
WO2020126445A1

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 2013083430 A1 20130613; BR 112014013484 A2 20170613; BR 112014013484 A8 20170613; CN 103987644 A 20140813; CN 103987644 B 20160203; CO 7030945 A2 20140821; EP 2788271 A1 20141015; EP 2788271 B1 20150415; ES 2542415 T3 20150805; PL 2788271 T3 20150831; US 2014332324 A1 20141113; US 9919899 B2 20180320

DOCDB simple family (application)
EP 2012073674 W 20121127; BR 112014013484 A 20121127; CN 201280060390 A 20121127; CO 14119485 A 20140604; EP 12797818 A 20121127; ES 12797818 T 20121127; PL 12797818 T 20121127; US 201214362441 A 20121127