

Title (en)
Cable brake for an elevator

Title (de)
Seilbremse für einen Aufzug

Title (fr)
Frein à cable pour ascenseur

Publication
EP 1637495 A3 20060412 (DE)

Application
EP 05112142 A 20040609

Priority
• EP 04736379 A 20040609
• EP 03405430 A 20030616
• EP 05112142 A 20040609

Abstract (en)
[origin: WO2004110916A2] The invention relates to a cable brake (15) in which, the instant an electromagnet (36) is switched off, a mass (37) falls down guide rods (38) under the effect of gravity and collides with a first arm (30) of a first trigger lever (28). As a result of the rotation of the first trigger lever (28), a pawl (32) releases a crossbar (27), whereupon pressure springs (22) press a released braking plate (18) against a cable strand (3) and bring the cable strand (3) to a halt. A second pressure plate (23) may be displaced along the path shown with a w, by means of a screw (24), arranged on a housing (16) and a nut (25), arranged on said second pressure plate (23), whereby the pressure springs (22) are pre-tensioned according to the position of the second pressure plate (23). The pressure springs (22) are released in the end position shown with a el, whereby a first pressure plate (21) and a release bar (26), engaging with the first pressure plate (21), may be moved into the starting position thereof.

IPC 8 full level
B66D 5/16 (2006.01); **B66B 5/24** (2006.01); **B66B 15/00** (2006.01)

CPC (source: EP US)
B66B 5/185 (2013.01 - EP US); **B66D 5/16** (2013.01 - EP US)

Citation (search report)
• [DA] EP 0651724 A1 19950510 - HOLLISTER WHITNEY ELEVATOR [US]
• [A] DE 19635244 A1 19980305 - WITTUR AUFZUGTEILE GMBH & CO [DE]

Cited by
DE102016125559A1; US9027714B2; EP2651810B1; EP2651810A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004110916 A2 20041223; WO 2004110916 A3 20050512; AT E396141 T1 20080615; AT E508980 T1 20110515; CN 100515916 C 20090722; CN 1805897 A 20060719; DE 502004007232 D1 20080703; EP 1633671 A2 20060315; EP 1633671 B1 20080521; EP 1637495 A2 20060322; EP 1637495 A3 20060412; EP 1637495 B1 20110511; HK 1089742 A1 20061208; US 2006090969 A1 20060504; US 2006118366 A1 20060608; US 7287627 B2 20071030; US 7543690 B2 20090609

DOCDB simple family (application)
CH 2004000348 W 20040609; AT 04736379 T 20040609; AT 05112142 T 20040609; CN 200480016722 A 20040609; DE 502004007232 T 20040609; EP 04736379 A 20040609; EP 05112142 A 20040609; HK 06110053 A 20060911; US 30089405 A 20051215; US 30400805 A 20051215