

Title (en)  
ELEVATOR BRAKE

Title (de)  
AUFZUGBREMSE

Title (fr)  
FREIN D'ASCENSEUR

Publication  
**EP 3197812 B1 20180815 (DE)**

Application  
**EP 15763852 A 20150903**

Priority  
• EP 14186210 A 20140924  
• EP 2015070147 W 20150903

Abstract (en)  
[origin: WO2016045932A1] The invention relates to an elevator brake (20) for braking and holding an elevator car (2) in an elevator installation (1), a corresponding elevator installation, and a method for returning and subsequently holding an elevator brake in a stand-by position. The elevator brake contains a first actuation device (25) for actuating a first brake lining (22). Said first actuation device (25) comprises an electromagnetic holding or catch device (36) which can hold an energy store (32), in the form of a spring accumulator, in the loaded state and release it when required. Said electromagnetic holding or catch device (36) contains a plurality of electromagnets (38, 38a-38h) which can act directly or indirectly on said energy store (32) by means of a lever transmission (L1/L2). Said electromagnetic holding or catch device (36) alternatively, or additionally, comprises a traction means (43) which can hold the first brake lining (22) in its tensioned stand-by position. The traction means is looped around a bollard or capstan (44), and it can be held, by means of a free end of said traction means (43), by at least one electromagnet (38, 38a-38h).

IPC 8 full level  
**B66B 1/32** (2006.01); **B66B 5/18** (2006.01)

CPC (source: EP US)  
**B66B 1/32** (2013.01 - EP US); **B66B 5/18** (2013.01 - EP US); **B66B 9/00** (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)  
**WO 2016045932 A1 20160331**; CN 106715307 A 20170524; CN 106715307 B 20181211; EP 3197812 A1 20170802; EP 3197812 B1 20180815; ES 2686202 T3 20181016; PL 3197812 T3 20190131; US 2017291794 A1 20171012

DOCDB simple family (application)  
**EP 2015070147 W 20150903**; CN 201580050313 A 20150903; EP 15763852 A 20150903; ES 15763852 T 20150903; PL 15763852 T 20150903; US 201515512581 A 20150903