

Title (en)

Guided lifting device with holding and emergency braking device

Title (de)

Geführte Hebeeinrichtung mit Festhalte- und Fangvorrichtung

Title (fr)

Installation de levage guidée avec dispositif de retenue et parachute

Publication

EP 1657204 A3 20080213 (DE)

Application

EP 05024623 A 20051111

Priority

DE 202004017585 U 20041112

Abstract (en)

[origin: EP1657204A2] A compact safety brake for a lift cabin has a housing containing a compact spring assembly (31) and a pneumatic/hydraulic release cylinder (35) operating against the spring. The servo/spring pressure is applied to braking pads (45) via a linkage (32, 32) which operates with a mechanical advantage to amplify the braking and release forces. The brake pads are pressed onto a brake and guide rail (42) fitted to the lift shaft.

IPC 8 full level

B66B 5/18 (2006.01); **B66D 5/00** (2006.01)

CPC (source: EP)

B66B 5/18 (2013.01); **B66D 5/00** (2013.01)

Citation (search report)

- [XY] US 6318505 B1 20011120 - ANGELIS CLAUDIO DE [CH]
- [DA] EP 0648703 A1 19950419 - INVENTIO AG [CH]
- [Y] EP 0346195 A1 19891213 - LEROY SOMER MOTEURS [FR]
- [A] DE 3332334 A1 19850328 - EMDE SIEGERLAND BREMSEN [DE]
- [A] DE 1002933 B 19570221 - BBC BROWN BOVERI & CIE

Cited by

WO2023174642A1; WO2015090726A1; DE102011000720A1; CN105621193A; CN112739639A; DE202015104095U1; CN109437070A; WO2012110273A1; WO2010003466A1; WO2014177494A1; US10442662B2; US8662264B2; US10167171B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 202004017585 U1 20050120; EP 1657204 A2 20060517; EP 1657204 A3 20080213

DOCDB simple family (application)

DE 202004017585 U 20041112; EP 05024623 A 20051111