

Title (en)

SAFETY DEVICE FOR A LIFT WITH MULTIPLE CABINS

Title (de)

SICHERHEITSEINRICHTUNG FÜR EINEN AUFZUG MIT MEHREREN KABINEN

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR UN ASCENSEUR DOTÉ DE PLUSIEURS CABINES

Publication

EP 2794449 B2 20190227 (DE)

Application

EP 12798731 A 20121210

Priority

- EP 11195470 A 20111223
- EP 2012074941 W 20121210
- EP 12798731 A 20121210

Abstract (en)

[origin: EP2607282A1] The lift (1) has two cages (2, 3) moved along a common travel path. The cages include two drives. A shaft information system determines speed and position information for the cages. A safety device (22) monitors the cages. The safety device is connected to the shaft information system. The safety device initiates a first braking measure for one of the cages when a distance between the cages falls below a safety spacing (D), predetermines a retardation plot for the cage and initiates a second braking measure for the cage when a result of the retardation plot is exceeded.

IPC 8 full level

B66B 5/00 (2006.01); **B66B 5/02** (2006.01); **B66B 5/06** (2006.01)

CPC (source: EP US)

B66B 1/24 (2013.01 - US); **B66B 1/30** (2013.01 - US); **B66B 1/32** (2013.01 - US); **B66B 5/0031** (2013.01 - EP); **B66B 5/02** (2013.01 - US); **B66B 5/06** (2013.01 - EP US)

Citation (opposition)

Opponent :

- EP 1371596 A1 20031217 - INVENTIO AG [CH]
- EP 1431229 A1 20040623 - MITSUBISHI ELECTRIC CORP [JP]
- WO 03004397 A1 20030116 - INVENTIO AG [CH], et al
- EP 2022742 A1 20090211 - THYSENKRUPP ELEVATOR AG [DE]

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)

EP 2607282 A1 20130626; CN 104024138 A 20140903; CN 104024138 B 20170510; EP 2794449 A1 20141029; EP 2794449 B1 20160309; EP 2794449 B2 20190227; ES 2575862 T3 20160701; ES 2575862 T5 20191021; HK 1200157 A1 20150731; PL 2794449 T3 20160930; PL 2794449 T5 20190830; US 2013161131 A1 20130627; US 9296590 B2 20160329; WO 2013092274 A1 20130627

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EP 11195470 A 20111223; CN 201280063907 A 20121210; EP 12798731 A 20121210; EP 2012074941 W 20121210; ES 12798731 T 20121210; HK 15100527 A 20150116; PL 12798731 T 20121210; US 201213721942 A 20121220