

Title (en)

BRAKE, CIRCUIT ARRANGEMENT AND METHOD FOR ACTIVATING A BRAKE

Title (de)

BREMSE, SCHALTUNGSANORDNUNG UND VERFAHREN ZUM ANSTEUERN EINER BREMSE

Title (fr)

FREIN, AGENCEMENT DE CIRCUIT ET PROCÉDÉ POUR L'ACTIVATION D'UN FREIN

Publication

EP 4069618 A1 20221012 (DE)

Application

EP 20808381 A 20201118

Priority

- DE 102019133376 A 20191206
- EP 2020082490 W 20201118

Abstract (en)

[origin: WO2021110413A1] An externally powered lift-car brake for a lift system and also, for the activation of said brake, a circuit arrangement with integrated staged control of the deceleration of the lift car in the event of emergency braking are proposed. The invention proposes braking using the full braking force or a braking force adapted to the operating parameters, and also proposes subsequent control of the deceleration on the basis of a deceleration measurement with a staged reduction in the braking force. The control is such that the deceleration of the lift car is always within predetermined limit values, this applying irrespective of the direction of travel of the lift car, irrespective of the drive system used for the lift, and irrespective of the lift-car loading and the coefficient of friction between the brake lining and guide rail.

IPC 8 full level

B66B 1/32 (2006.01); **B66B 5/18** (2006.01)

CPC (source: EP US)

B66B 1/32 (2013.01 - EP); **B66B 5/18** (2013.01 - EP 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102019133376 A1 20210610; CN 114787060 A 20220722; CN 114787060 B 20240611; EP 4069618 A1 20221012; US 11939188 B2 20240326; US 2023011375 A1 20230112; WO 2021110413 A1 20210610

DOCDB simple family (application)

DE 102019133376 A 20191206; CN 202080083838 A 20201118; EP 2020082490 W 20201118; EP 20808381 A 20201118; US 202017779992 A 20201118