

Title (en)

LIFT SYSTEM WITH AIR-BEARING LINEAR MOTOR

Title (de)

AUFZUGANLAGE MIT LUFTGELAGERTEM LINEARMOTOR

Title (fr)

INSTALLATION D'ASCENSEUR À MOTEUR LINÉAIRE À SUPPORT PAR AIR

Publication

EP 4061758 A1 20220928 (DE)

Application

EP 20804286 A 20201116

Priority

- EP 19210040 A 20191119
- EP 2020082251 W 20201116

Abstract (en)

[origin: WO2021099263A1] The invention relates to a lift system (1) which has a lift shaft (3), a lift cabin (5) and a driving device (7) for moving the lift cabin (5) inside the lift shaft (3). The driving device (7) comprises a linear motor (9) which has a stationary part (13) fixed on a shaft wall (11) of the lift shaft (3) and a movable part (15) fixed on the lift cabin (5). Between the stationary part (13) and the movable part (15), the driving device (7) has an air bearing (17) which is configured to keep the stationary part (13) spaced apart from the movable part (15) across an air gap (19) between said parts.

IPC 8 full level

B66B 11/04 (2006.01); **B66B 5/18** (2006.01); **F16C 29/02** (2006.01); **H02K 41/03** (2006.01)

CPC (source: EP US)

B66B 11/0407 (2013.01 - EP US); **F16C 29/025** (2013.01 - EP US); **H02K 41/031** (2013.01 - EP US); **B66B 5/18** (2013.01 - EP); **F16C 2240/22** (2013.01 - EP); **F16C 2326/00** (2013.01 - EP)

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)

WO 2021099263 A1 20210527; CN 114728768 A 20220708; EP 4061758 A1 20220928; US 2022380180 A1 20221201

DOCDB simple family (application)

EP 2020082251 W 20201116; CN 202080079370 A 20201116; EP 20804286 A 20201116; US 202017755935 A 20201116