

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASCENSEUR

Publication
EP 4393861 A1 20240703 (EN)

Application
EP 21954424 A 20210826

Priority
JP 2021031300 W 20210826

Abstract (en)
An elevator device including an electric emergency stop device having a high degree of freedom of placement and suitable for space saving is disclosed. The elevator device includes a car (1), an emergency stop device (2) provided in the car, and an electric actuator (10) provided in the car and configured to operate the emergency stop device. The electric actuator includes a movable member, an electromagnetic stone configured to attract the movable member in a standby state of the electric actuator, a rod connected to the movable member, and a braking element activation member (100) connected to an end portion of the rod. When excitation of the electromagnetic stone is stopped and the rod is driven, a braking element (200) of the emergency stop device is pushed up by the braking element activation member.

IPC 8 full level
B66B 5/06 (2006.01); **B66B 5/22** (2006.01)

CPC (source: EP)
B66B 5/027 (2013.01); **B66B 5/06** (2013.01); **B66B 5/18** (2013.01); **B66B 5/22** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4393861 A1 20240703; CN 117794838 A 20240329; JP 7562006 B2 20241004; JP WO2023026423 A1 20230302;
WO 2023026423 A1 20230302

DOCDB simple family (application)
EP 21954424 A 20210826; CN 202180101528 A 20210826; JP 2021031300 W 20210826; JP 2023543572 A 20210826