

Title (en)
ELEVATOR

Title (de)
AUFZUG

Title (fr)
ASCENSEUR

Publication
EP 3287403 A1 20180228 (EN)

Application
EP 17181466 A 20170714

Priority
JP 2016155183 A 20160808

Abstract (en)
The elevator includes a car (104), a drive unit for moving the car by rotating a rotary body connected to the car, a brake (102) for applying a braking force to the rotary body, an elevator control unit (2) for controlling an operation of the car, a brake control unit (20) for changing a brake torque of the brake stepwise for releasing upon reception of a start signal of the elevator from the elevator control unit (2), and a torque control unit (23) for controlling a torque of the drive unit to approximate the car speed to zero upon reception of the start signal of the elevator from the elevator control unit (2).

IPC 8 full level
B66B 1/30 (2006.01); **B66B 1/32** (2006.01)

CPC (source: CN EP)
B66B 1/30 (2013.01 - CN); **B66B 1/304** (2013.01 - EP); **B66B 1/32** (2013.01 - EP); **B66B 1/36** (2013.01 - CN); **B66B 5/00** (2013.01 - CN); **B66B 11/028** (2013.01 - CN)

Citation (applicant)
JP 2015000796 A 20150105 - MITSUBISHI ELECTRIC CORP

Citation (search report)
• [XII] US 5247140 A 19930921 - IWASA MASAO [JP], et al
• [XII] CN 104671022 A 20150603 - MITSUBISHI ELECTRIC CORP

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)
EP 3287403 A1 20180228; **EP 3287403 B1 20210630**; CN 107697772 A 20180216; CN 107697772 B 20191119; JP 2018024483 A 20180215

DOCDB simple family (application)
EP 17181466 A 20170714; CN 201710638748 A 20170731; JP 2016155183 A 20160808