

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
24 June 2021 (24.06.2021)



(10) International Publication Number
WO 2021/121905 A1

(51) International Patent Classification:
B66B 5/00 (2006.01)

(21) International Application Number:
PCT/EP2020/083673

(22) International Filing Date:
27 November 2020 (27.11.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
19217052.0 17 December 2019 (17.12.2019) EP

(71) Applicant: **INVENTIO AG** [CH/CH]; Seestrasse 55, 6052 Hergiswil (CH).

(72) Inventors: **TROTTMANN, Gilles**; Chiemerrütiweg 19, 6405 Immensee (CH). **VILLA, Valerio**; Via San Lazaro 121, 22041 Colverde (IT). **ZOTTI, Teresa**; Ebisquare Strasse 3, 6030 Ebikon (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,

ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

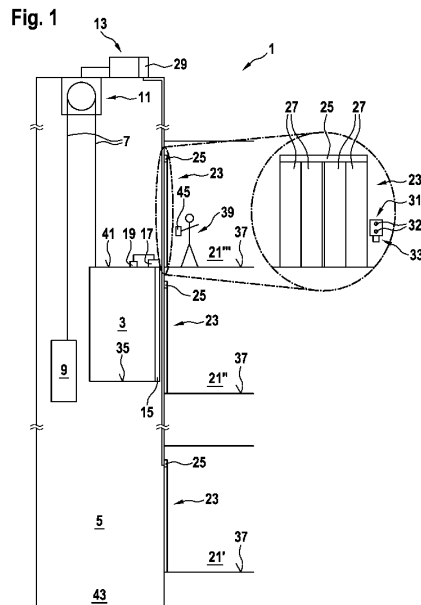
Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: METHOD FOR OPERATING AN ELEVATOR FOR AN INSPECTION



(57) Abstract: A method for operating an elevator (1) for an inspection and an elevator for implementing such method are proposed. The elevator comprises a cabin (3), a drive engine (11), a plurality of shaft doors (23), a plurality of signal receptors (33), an engine controller (13) and a door controller (29). Each of the shaft doors has an associated active door drive (25) for reciprocally opening and closing the shaft door. At least one of the signal receptors is arranged at each of multiple floors (21). The method comprises: - receiving a requesting signal at one of the signal receptors (33) located at one of the floors (21), - in reaction to the receiving of the requesting signal: - if the one of the floors (21) is not the lowermost floor (21'), instructing the engine controller (13) to control the drive engine (11) to displace the cabin (3) to a first position such that a roof (41) of the cabin (3) is adjacent to the shaft door (23) at the one of the floors (21), - if the one of the floors (21) is the lowermost floor (21'), instructing the engine controller (13) to control the drive engine (11) to displace the cabin (3) to a second position above the lowermost floor (21'), - then, instructing the door controller (29) to control the door drive (25) of the shaft door (23) at the one of the floors (21) to actively open, and - switching the engine controller (13) to an inspection mode.