

Title (en)
PASSENGER AND VEHICLE ELEVATOR SYSTEM

Title (de)
PERSONEN- UND FAHRZEUGAUFZUGSSYSTEM

Title (fr)
SYSTÈME D'ASCENSEUR POUR VÉHICULES ET POUR PASSAGERS

Publication
EP 3024769 A4 20170315 (EN)

Application
EP 13889789 A 20130723

Priority
US 2013051590 W 20130723

Abstract (en)
[origin: WO2015012802A1] The passenger and vehicle elevator system (10) includes a plurality of elevator cars (12, 14, 16) arrayed substantially equidistantly and equiangularly from a central shaft of the building (B). Each elevator car (12) includes a housing and at least one door (54). The housing has a floor, a ceiling, and at least one sidewall. A linearly translating platform (50) is mounted on the floor of each of the housings. The linearly translating platform is adapted for automatically carrying the vehicle (V) and the at least one passenger through the at least one door (54). Further, the vehicle (V) may be rotated within the housing by driven rotation of the platform (50) or the floor, allowing for selective angular positioning of the vehicle (V) with respect to the housing. The elevator car (12) ascends and descends within a corresponding elevator shaft (S) in a manner similar to that of a conventional elevator.

IPC 8 full level
B66B 9/00 (2006.01); **E04H 6/28** (2006.01)

CPC (source: EP RU)
B66B 9/00 (2013.01 - RU); **E04H 6/22** (2013.01 - RU); **E04H 6/285** (2013.01 - EP); **E04H 6/40** (2013.01 - RU); **E04H 6/424** (2013.01 - EP)

Citation (search report)
• [IA] DE 19842298 A1 20000406 - FRAUNHOFER GES FORSCHUNG [DE]
• [IA] WO 2006039830 A1 20060420 - STUTZ FRIDOLIN [CH]
• [IA] EP 0445712 A1 19910911 - SOILMEC SPA [IT]
• See also references of WO 2015012802A1

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

DOCDB simple family (publication)
WO 2015012802 A1 20150129; AU 2013394940 A1 20160211; AU 2013394940 B2 20190530; BR 112016001567 A2 20170725; BR 112016001567 B1 20230425; CA 2918876 A1 20150129; CA 2918876 C 20230404; CN 105517938 A 20160420; CN 105517938 B 20180515; CU 20160009 A7 20161129; CU 24332 B1 20180403; DK 3024769 T3 20230313; EP 3024769 A1 20160601; EP 3024769 A4 20170315; EP 3024769 B1 20221207; ES 2940309 T3 20230505; HK 1221451 A1 20170602; IL 243722 A0 20160421; IL 243722 B 20191031; JP 2016525492 A 20160825; JP 6389522 B2 20180912; MX 2016001004 A 20160803; MX 371293 B 20200124; NZ 716282 A 20190830; PH 12016500138 A1 20160418; RU 2016105131 A 20170829; RU 2672510 C2 20181115; SG 11201600437X A 20160226

DOCDB simple family (application)
US 2013051590 W 20130723; AU 2013394940 A 20130723; BR 112016001567 A 20130723; CA 2918876 A 20130723; CN 201380078471 A 20130723; CU 20160009 A 20130723; DK 13889789 T 20130723; EP 13889789 A 20130723; ES 13889789 T 20130723; HK 16109697 A 20160815; IL 24372216 A 20160121; JP 2016529743 A 20130723; MX 2016001004 A 20130723; NZ 71628213 A 20130723; PH 12016500138 A 20160121; RU 2016105131 A 20130723; SG 11201600437X A 20130723