

Title (en)
Elevator with modular construction

Title (de)
Modular aufgebauter Aufzug

Title (fr)
Ascenseur à construction modulaire

Publication
EP 0846645 B1 20040804 (DE)

Application
EP 97119986 A 19971114

Priority
• EP 97119986 A 19971114
• EP 96810843 A 19961203

Abstract (en)
[origin: US6035974A] A modular, prefabricated elevator includes column-like guide modules (10) extending between a foundation module (13) and a head module (2) and attached to a building by fastening modules (11), and an elevator car (5) that is connected by support cables (3) with counterweights (9) running in the guide modules (10). A stationary drive for the car (5) is in the form of one or two drive modules (12) combined with the head module (2) or with the foundation module (13) and integrated into the modular system in this manner. Through appropriate selection of the number of drive modules (12), the mode of suspension and the motor power, a wide range of use is covered with respect to conveying load and speed.

IPC 1-7
B66B 11/00

IPC 8 full level
B66B 7/00 (2006.01); **B66B 9/00** (2006.01); **B66B 7/02** (2006.01); **B66B 11/00** (2006.01); **B66B 11/04** (2006.01)

CPC (source: EP US)
B66B 7/022 (2013.01 - EP US); **B66B 11/0045** (2013.01 - EP US)

Citation (examination)
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Designated contracting state (EPC)
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US 6035974 A 20000314; AR 013623 A1 20010110; AT E272562 T1 20040815; AT E316062 T1 20060215; AU 4681597 A 19980604; AU 726254 B2 20001102; BR 9705510 A 19990914; CA 2223187 A1 19980603; CA 2223187 C 20070807; CN 1124225 C 20031015; CN 1184073 A 19980610; CZ 292321 B6 20030917; CZ 382297 A3 19980916; DE 59711827 D1 20040909; DE 59712547 D1 20060406; DK 0846645 T3 20041115; DK 1149795 T3 20060515; EP 0846645 A1 19980610; EP 0846645 B1 20040804; EP 1149795 A1 20011031; EP 1149795 B1 20060118; ES 2225925 T3 20050316; ES 2256119 T3 20060716; HK 1011200 A1 19990709; HU 220752 B1 20020528; HU 9702324 D0 19980302; HU P9702324 A2 19981130; HU P9702324 A3 19991228; JP 4025402 B2 20071219; JP H10167609 A 19980623; MX 9708831 A 19980630; NO 322839 B1 20061211; NO 975542 D0 19971202; NO 975542 L 19980604; PL 183889 B1 20020731; PL 323374 A1 19980608; PT 846645 E 20041029; TR 199701499 A2 19980622; ZA 9710379 B 19980610

DOCDB simple family (application)
US 98263397 A 19971202; AR P970105677 A 19971203; AT 01114152 T 19971114; AT 97119986 T 19971114; AU 4681597 A 19971201; BR 9705510 A 19971202; CA 2223187 A 19971202; CN 97123061 A 19971202; CZ 382297 A 19971202; DE 59711827 T 19971114; DE 59712547 T 19971114; DK 01114152 T 19971114; DK 97119986 T 19971114; EP 01114152 A 19971114; EP 97119986 A 19971114; ES 01114152 T 19971114; ES 97119986 T 19971114; HK 98112332 A 19981126; HU P9702324 A 19971202; JP 33316197 A 19971203; MX 9708831 A 19971117; NO 975542 A 19971202; PL 32337497 A 19971127; PT 97119986 T 19971114; TR 9701499 A 19971203; ZA 9710379 A 19971118