

Title (en)
Levelling for double deck elevator car

Title (de)
Höhenausgleich für Doppeldeckaufzugskabine

Title (fr)
Mise à niveau pour ascenseur à double cabine

Publication
EP 1074503 A3 20040407 (EN)

Application
EP 00111810 A 20000606

Priority
JP 15941399 A 19990607

Abstract (en)
[origin: EP1074503A2] The double deck elevator car possesses a first elevator car (23a) and a second elevator car (23b) positioned in the vertical direction inside an outer frame (11). The car frame (11) is raised and lowered via suspension cables (16). Transmission members (19) possessing first screw shafts (19a), which engage with a car frame (22a) that supports the first elevator car (23a), and second screw shafts (19b), which engage with a car frame (22b) that supports the second elevator car (23b), are provided on the outer frame (11) so that they are free to rotate. The first screw shafts (19a) and the second screw shafts (19b) are formed with threads that are mutually opposite, and are driven by drive motors (17). The gap between the two elevator cars (23a) and (23b) is adjusted by rotating the transmission members (19). <IMAGE>

IPC 1-7
B66B 1/42; **B66B 11/02**

IPC 8 full level
B66B 1/00 (2006.01); **B66B 1/42** (2006.01); **B66B 11/00** (2006.01); **B66B 11/02** (2006.01)

CPC (source: EP KR)
B66B 1/00 (2013.01 - KR); **B66B 11/00** (2013.01 - KR); **B66B 11/022** (2013.01 - EP)

Citation (search report)
• [A] EP 0870716 A2 19981014 - OTIS ELEVATOR CO [US]
• [PA] EP 0933323 A1 19990804 - INVENTIO AG [CH]

Cited by
EP2468673A1; WO2012084432A1; WO2023110352A1; EP1498379A4; US2012152662A1; US9033110B2; WO2011073029A1; US11591188B2; EP2468674A1; US11117786B2; US11618651B2; US10329122B1; US7581621B2; US9102502B2; WO2024056436A1

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