

Title (en)

CAGE DEVICE FOR DOUBLE DECK ELEVATORS

Title (de)

KABINE-EINRICHTUNG FÜR DOPPELDECKAUFZÜGE

Title (fr)

DISPOSITIF DE CABINE POUR ASCENSEURS A DOUBLE CABINE

Publication

EP 1357075 B1 20100310 (EN)

Application

EP 00974827 A 20001108

Priority

JP 0007846 W 20001108

Abstract (en)

[origin: EP1357075A1] In a car apparatus for a double-deck elevator, an upper car and a lower car are suspended in a main frame by a suspending member. Also, the upper car and the lower car are suspended in relation to the main frame by an odd number roping method. The distance between the upper car and the lower car is adjusted by a car position adjusting driving machine according to distances between floors. The upper car and the lower car are provided with slack rope safeties that detect slack in the suspending member to fix the upper car and the lower car in relation to a guide rail, respectively. <IMAGE>

IPC 8 full level

B66B 11/02 (2006.01); **B66B 1/14** (2006.01); **B66B 1/24** (2006.01); **B66B 1/42** (2006.01); **B66B 5/12** (2006.01)

CPC (source: EP)

B66B 5/12 (2013.01); **B66B 11/0206** (2013.01); **B66B 11/022** (2013.01)

Cited by

EP1588977A1; EP2994406A4; US2012312636A1; US9174822B2; US7624845B2; US7316294B2; EP1526104A1; EP3514096A1; US7353914B2; US7232011B2; US10059566B2; US11332344B2; US7261185B2; US10899580B2

Designated contracting state (EPC)

CH DE FR LI NL

DOCDB simple family (publication)

EP 1357075 A1 20031029; **EP 1357075 A4 20081126**; **EP 1357075 B1 20100310**; CN 1239376 C 20060201; CN 1420839 A 20030528; DE 60043999 D1 20100422; JP WO2002038482 A1 20040318; WO 0238482 A1 20020516

DOCDB simple family (application)

EP 00974827 A 20001108; CN 00818269 A 20001108; DE 60043999 T 20001108; JP 0007846 W 20001108; JP 2002531047 A 20001108