

Title (en)
DEVICE FOR SECURING CAGE OF ELEVATOR

Title (de)
VORRICHTUNG ZUR SICHERUNG EINES AUFZUGSKÄFIGS

Title (fr)
DISPOSITIF DE FIXATION D'UNE CABINE D'ASCENSEUR

Publication
EP 1538122 B1 20120111 (EN)

Application
EP 02765552 A 20020913

Priority
JP 0209462 W 20020913

Abstract (en)
[origin: EP1538122A1] Disclosed is an elevator car fixing device to be provided in an elevator including: a rope 6 arranged in a hoistway 1 and wrapped around a return pulley 8 arranged in an upper portion of the hoistway 1; a car 2 suspended from one end of the rope 6; and a counterweight 3 suspended from a portion of the rope 6 between a counterweight-side rope fixing member 11, which is provided in the upper portion of the hoistway 1 and to which the other end of the rope 6 is fixed, and the return pulley 8, the counterweight 3 being adapted to ascend when the car 2 descends and to descend when the car 2 ascends and equipped with a driving machine 7 for causing the car 3 to ascend and descend, the elevator car fixing device including an advancing/retreating member 13 provided on one of the car 2 and the counterweight 3 and adapted to move toward and away from the other of the car 2 and the counterweight 3, and a locking mechanism 3b provided on the other of the car 2 and the counterweight 3 and adapted to be engaged with the advancing/retreating member 13 when the advancing/retreating member 13 advances to thereby lock the car 2 and the counterweight 3 with respect to each other in an ascent/descent direction. <IMAGE>

IPC 8 full level
B66B 5/00 (2006.01); **B66B 11/00** (2006.01); **B66B 17/12** (2006.01); **B66B 17/34** (2006.01)

CPC (source: EP KR)
B66B 5/00 (2013.01 - KR); **B66B 5/005** (2013.01 - EP); **B66B 5/16** (2013.01 - KR); **B66B 11/0055** (2013.01 - EP); **B66B 11/04** (2013.01 - KR); **B66B 17/34** (2013.01 - EP)

Cited by
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Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1538122 A1 20050608; **EP 1538122 A4 20110511**; **EP 1538122 B1 20120111**; CN 1319838 C 20070606; CN 1555336 A 20041215; JP 4197515 B2 20081217; JP WO2004024610 A1 20060105; KR 100614146 B1 20060825; KR 20040066115 A 20040723; WO 2004024610 A1 20040325

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