

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 A1 20050608 (EN)**

Application  
**EP 02765552 A 20020913**

Priority  
JP 0209462 W 20020913

Abstract (en)  
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 1-7  
**B66B 5/00**

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  
US11078043B2

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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