

Title (en)  
ELEVATING/LOWERING MECHANISM AND ELEVATING/LOWERING METHOD OF ELEVATOR

Title (de)  
MECHANISMUS UND VERFAHREN ZUM HERAUFZIEHEN/ABSENKEN EINES AUFZUGS

Title (fr)  
MECANISME ELEVATEUR/ABAISSSEUR POUR ASCENSEUR ET PROCEDE AFFERENT

Publication  
**EP 1500621 A4 20110316 (EN)**

Application  
**EP 02724661 A 20020501**

Priority  
JP 0204360 W 20020501

Abstract (en)  
[origin: EP1500621A1] An elevating mechanism for an elevator system includes two sets of hoisting machines (22, 24) for moving an elevator car (8) and a balance weight (10) up and down; control units (26, 28) for independently controlling the rotation of each of the two sets of hoisting machines (22, 24); and a loop-shaped rope (30) wound around each of the two sets of hoisting machines (22, 24). Of opposed two places held between the two sets of hoisting machines (22, 24), at one place, the rope (30) is wound around a pulley (14) for the car (8) so that the car (8) is hung, and at the other place, the rope (30) is wound around a pulley (16) for the balance weight (10) so that the balance weight (10) is hung. <IMAGE>

IPC 8 full level  
**B66B 7/06** (2006.01); **B66B 9/00** (2006.01); **B66B 11/00** (2006.01); **B66B 11/04** (2006.01)

CPC (source: EP KR)  
**B66B 9/00** (2013.01 - EP); **B66B 11/008** (2013.01 - EP); **B66B 11/04** (2013.01 - KR); **B66B 11/0484** (2013.01 - EP)

Citation (search report)

- [X] JP H0664863 A 19940308 - MITSUBISHI ELECTRIC CORP
- [A] WO 0037350 A1 20000629 - OTIS ELEVATOR CO [US]
- [A] EP 0565516 A1 19931013 - HAGEL WERNER [AT]
- See references of WO 03093156A1

Cited by  
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Designated contracting state (EPC)  
DE

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**EP 1500621 A1 20050126**; **EP 1500621 A4 20110316**; CN 1522220 A 20040818; JP WO2003093156 A1 20050908; KR 20040007690 A 20040124; WO 03093156 A1 20031113

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