

Title (en)  
ELEVATOR

Title (de)  
AUFZUG

Title (fr)  
ASCENSEUR

Publication  
**EP 1481934 A4 20100421 (EN)**

Application  
**EP 02702765 A 20020306**

Priority  
JP 0202081 W 20020306

Abstract (en)  
[origin: EP1481934A1] An auxiliary beam (14) is provided, to connect the middle portions of the connecting beams (12,13) which connects respective guide rails (10,11). A pair of pulleys (3,4) are fixed to the auxiliary beam, through which a rope (20) connects a cage (1) and a counter weight (2).

IPC 1-7  
**B66B 7/02**; **B66B 7/06**

IPC 8 full level  
**B66B 7/02** (2006.01); **B66B 7/06** (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP)  
**B66B 7/02** (2013.01); **B66B 7/027** (2013.01); **B66B 11/0045** (2013.01); **B66B 11/009** (2013.01)

Citation (search report)  
• [A] WO 9943600 A1 19990902 - OTIS ELEVATOR CO [US]  
• [A] WO 9829326 A1 19980709 - KONE CORP [FI], et al  
• See references of WO 03074408A1

Cited by  
EP3168181A4; WO2016005612A1

Designated contracting state (EPC)  
DE FR NL

DOCDB simple family (publication)  
**EP 1481934 A1 20041201**; **EP 1481934 A4 20100421**; **EP 1481934 B1 20110504**; CN 1248949 C 20060405; CN 1507409 A 20040623; DE 60239963 D1 20110616; JP WO2003074408 A1 20050623; WO 03074408 A1 20030912

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**EP 02702765 A 20020306**; CN 02809347 A 20020306; DE 60239963 T 20020306; JP 0202081 W 20020306; JP 2003572888 A 20020306