

Title (en)  
Elevator with two cars arranged one above the other in the same hoistway

Title (de)  
Aufzugsanlage mit in einem Schacht übereinander angeordneten Kabinen

Title (fr)  
Ascenseur avec deux cabines superposées dans la même cage

Publication  
**EP 1489033 B2 20150527 (DE)**

Application  
**EP 04013309 A 20040605**

Priority  
• EP 04013309 A 20040605  
• EP 03405439 A 20030618

Abstract (en)  
[origin: EP1489033A1] An elevator shaft has a mechanism that simultaneously raises and lowers two cars (1, 1'). Each car has its own cable (5, 5') operated discrete drive unit (4, 4') and cabin counterweight (2, 2'). Each cabin has a guide rail (3, 3'). The counterweights move under the guidance of rails (6, 6', 7, 7'). The motors (4, 4') are located within the shaft (11) close to sidewalls (111, 112).

IPC 8 full level  
**B66B 1/14** (2006.01); **B66B 1/24** (2006.01); **B66B 11/00** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP)  
**B66B 9/00** (2013.01); **B66B 11/0095** (2013.01); **B66B 19/007** (2013.01)

Citation (opposition)  
Opponent :  
JP 2001240318 A 20010904 - TOSHIBA CORP

Cited by  
EP1935830A1; WO2010072656A1; WO2010072657A1; EP1882670A1; DE102014220629A1; EP1935829A1; DE202008001786U1;  
EP1935825A1; US7913818B2; US10676317B2; US7882934B2; US7828120B2; EP1886957A1; US7762376B2; EP1935828A1; US8668054B2;  
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AT CH DE FR GB LI

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**EP 1489033 A1 20041222; EP 1489033 B1 20081112; EP 1489033 B2 20150527**

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