

Title (en)  
ELEVATOR

Title (de)  
AUFZUG

Title (fr)  
ASCENSEUR

Publication  
**EP 1512652 A1 20050309 (EN)**

Application  
**EP 02733444 A 20020610**

Priority  
JP 0205741 W 20020610

Abstract (en)  
In an elevator apparatus, first and second driving machines are disposed horizontally above a car so as to overlap with the car in a vertical plane of projection. A first main rope is wound around a first drive sheave of the first driving machine. A second main rope is wound around a second drive sheave of the second driving machine. A first car return sheave for leading the first main rope to the car and a second car return sheave for leading the second main rope to the car are disposed above the car inside the hoistway. A first counterweight return sheave for leading the first main rope to the counterweight and a second counterweight return sheave for leading the second main rope to the counterweight are disposed above the counterweight inside the hoistway. <IMAGE>

IPC 1-7  
**B66B 7/06**; **B66B 11/08**

IPC 8 full level  
**B66B 11/00** (2006.01)

CPC (source: EP KR)  
**B66B 11/0045** (2013.01 - EP); **B66B 11/008** (2013.01 - EP); **B66B 11/08** (2013.01 - KR)

Cited by  
EP1700811A1; US7753174B2; WO2006097138A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1512652 A1 20050309**; **EP 1512652 A4 20081112**; **EP 1512652 B1 20100811**; CN 1220618 C 20050928; CN 1522219 A 20040818; DE 60237316 D1 20100923; JP 4110138 B2 20080702; JP WO2003104126 A1 20051006; KR 100536934 B1 20051214; KR 20040019385 A 20040305; WO 03104126 A1 20031218

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