

Title (en)  
ELEVATOR APPARATUS

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
APPAREIL D'ASCENSEUR

Publication  
**EP 1602611 B1 20100811 (EN)**

Application  
**EP 03710322 A 20030312**

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Abstract (en)  
[origin: EP1602611A1] According to the present invention, there is provided an elevator apparatus in which a car 4 and a counterweight 5 are suspended in a hoistway in a 1 : 1 roping system. A first main rope 30 is wrapped around a drive sheave 12 such that two lead-out portions 30a and 30b extending in different directions from the drive sheave 12 cross each other at a predetermined position so that a predetermined frictional force may be generated between the first main rope 30 and the drive sheave 12. In order that the first main rope 30 may not undergo mutual contact at the position where it undergoes crossing, a driving machine 9 is installed so as to be inclined such that a rotation axis of the drive sheave 12 is at an acute angle with respect to a vertical line, and, there are provided a first deflector sheave 17 guiding the first main rope 30 from the driving machine 9 to the car 4 and a second deflector sheave 18 guiding the first main rope 30 from the driving machine 9 to the counterweight 5. <IMAGE>

IPC 8 full level  
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Cited by  
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