

Title (en)  
ELEVATOR APPARATUS

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
DISPOSITIF ELEVATEUR

Publication  
**EP 1693330 A1 20060823 (EN)**

Application  
**EP 03778827 A 20031211**

Priority  
JP 0315886 W 20031211

Abstract (en)  
In an elevator apparatus, a car and first and second counterweights are raised and lowered inside a hoistway. A pair of car guide rails for guiding raising and lowering of the car are installed inside the hoistway. The car has mutually opposite first and second side surface portions. The car guide rails are installed so as to face the first and second side surface portions. The first and second counterweights are disposed in front of the car guide rails relative to a depth direction of the car. A first hoisting machine is disposed directly above the first counterweight. A second hoisting machine is disposed directly above the second counterweight.

IPC 8 full level  
**B66B 7/06** (2006.01); **B66B 5/00** (2006.01); **B66B 11/00** (2006.01); **B66B 17/12** (2006.01)

CPC (source: EP)  
**B66B 7/022** (2013.01); **B66B 11/0045** (2013.01); **B66B 11/008** (2013.01); **B66B 17/12** (2013.01)

Cited by  
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Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1693330 A1 20060823**; **EP 1693330 A4 20110706**; CN 100345742 C 20071031; CN 1723169 A 20060118; EP 2551228 A1 20130130; JP WO2005056457 A1 20070705; WO 2005056457 A1 20050623

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**EP 03778827 A 20031211**; CN 200380103326 A 20031211; EP 12189721 A 20031211; JP 0315886 W 20031211; JP 2005509645 A 20031211