

Title (en)  
ELEVATOR

Title (de)  
AUFZUG

Title (fr)  
ASCENSEUR

Publication  
**EP 1717185 A1 20061102 (EN)**

Application  
**EP 04712223 A 20040218**

Priority  
JP 2004001808 W 20040218

Abstract (en)  
In an elevator apparatus, guide rails for guiding a car and a counterweight, respectively, are arranged in a hoistway. Further, a support structure is arranged in the hoistway separately from the car guide rail and the counterweight guide rail. The support structure has a support column extending upwardly from a bottom portion of the hoistway, and a support beam fixed to an upper end portion of the support column. A drive device having a drive sheave is fixed to the support beam. A main rope is wound around the drive sheave. The car and the counterweight are suspended by the main rope. Accordingly, the guide rails can be reduced in size, making it possible to reduce the manufacturing cost of the guide rails.

IPC 8 full level  
**B66B 11/04** (2006.01); **B66B 7/00** (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP)  
**B66B 11/00** (2013.01); **B66B 11/008** (2013.01)

Cited by  
ITUA20164672A1

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1717185 A1 20061102**; **EP 1717185 A4 20090909**; **EP 1717185 B1 20110518**; CN 1747888 A 20060315; JP WO2005077806 A1 20070830; WO 2005077806 A1 20050825

DOCDB simple family (application)  
**EP 04712223 A 20040218**; CN 200480003998 A 20040218; JP 2004001808 W 20040218; JP 2005517884 A 20040218