

Title (en)  
ELEVATOR DEVICE

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ASCENSEUR

Publication  
**EP 2465805 A4 20150617 (EN)**

Application  
**EP 09848257 A 20090811**

Priority  
JP 2009064157 W 20090811

Abstract (en)  
[origin: EP2465805A1] Rotating shafts of first and second driving sheaves are each disposed horizontally, First and second car suspending sheaves are disposed on a car, and first and second counterweight suspending sheaves are disposed on a counterweight. A main rope group that suspends the car and the counterweight has: a first main rope that is wound sequentially around the first car suspending sheave, the first driving sheave, and the first counterweight suspending sheave, and a second main rope that is wound sequentially around the second car suspending sheave, the second driving sheave, and the second counterweight suspending sheave. The first driving machine, the first car suspending sheave, and the first counterweight suspending sheave, and the second driving machine, the second car suspending sheave, and the second counterweight suspending sheave, are respectively disposed at positions that are symmetrical in a vertically projected plane of a hoistway relative to a straight line that connects a pair of car guide rails that guide the car.

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

CPC (source: EP KR)  
**B66B 7/02** (2013.01 - KR); **B66B 7/06** (2013.01 - KR); **B66B 11/008** (2013.01 - EP); **B66B 17/12** (2013.01 - EP)

Citation (search report)  
• [XY] WO 2007069311 A1 20070621 - MITSUBISHI ELECTRIC CORP [JP], et al & EP 1961688 A1 20080827 - MITSUBISHI ELECTRIC CORP [JP]  
• [XY] WO 2007122702 A1 20071101 - MITSUBISHI ELECTRIC CORP [JP], et al & EP 2019072 A1 20090128 - MITSUBISHI ELECTRIC CORP [JP]  
• [XY] US 2002070080 A1 20020613 - NAKAGAKI SHIGEO [JP], et al  
• [Y] JP S649972 U 19890119  
• [Y] CN 86102483 A 19861105  
• See references of WO 2011018838A1

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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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