

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF POUR ASCENSEUR

Publication
EP 1961688 A4 20120314 (EN)

Application
EP 05816839 A 20051214

Priority
JP 2005022948 W 20051214

Abstract (en)
[origin: EP1961688A1] A car is provided with a first car suspending pulley and a second car suspending pulley, and a counterweight is provided with a first counterweight suspending pulley and a second counterweight suspending pulley. A first hoisting machine having a first drive sheave and a second hoisting machine having a second drive sheave are provided to a hoistway. The car and the counterweight are suspended within the hoistway by a main rope body having a first main rope and a second main rope. The first main rope is looped continuously around the first drive sheave, the first car suspending pulley, and the first counterweight suspending pulley. The second main rope is looped continuously around the second drive sheave, the second car suspending pulley, and the second counterweight suspending pulley. Thus, the first hoisting machine and the second hoisting machine can be reduced in size, respectively, so the space for the hoistway can be saved.

IPC 8 full level
B66B 7/06 (2006.01); **B66B 7/00** (2006.01); **B66B 9/00** (2006.01); **B66B 11/00** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP KR)
B66B 7/00 (2013.01 - KR); **B66B 7/06** (2013.01 - KR); **B66B 9/00** (2013.01 - EP); **B66B 11/0045** (2013.01 - EP); **B66B 11/008** (2013.01 - EP); **B66B 11/08** (2013.01 - KR)

Citation (search report)

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- [YA] US 6782975 B1 20040831 - WHITTUR HORST [DE]
- [A] WO 9943593 A1 19990902 - OTIS ELEVATOR CO [US]
- See references of WO 2007069311A1

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Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1961688 A1 20080827; **EP 1961688 A4 20120314**; CN 101291867 A 20081022; CN 101291867 B 20110112; JP WO2007069311 A1 20090521; KR 101110918 B1 20120314; KR 20080055904 A 20080619; WO 2007069311 A1 20070621

DOCDB simple family (application)
EP 05816839 A 20051214; CN 200580051841 A 20051214; JP 2005022948 W 20051214; JP 2006541537 A 20051214; KR 20087008568 A 20051214