

Title (en)
ELEVATOR APPARATUS

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
APPAREILLAGE D'ASCENSEUR

Publication
EP 1795484 A1 20070613 (EN)

Application
EP 04788377 A 20040930

Priority
JP 2004014349 W 20040930

Abstract (en)
In an elevator apparatus, a car and a counterweight are raised/lowered within a hoistway by drive forces of a first driving unit and a second driving unit. The first driving unit and the second driving unit are respectively arranged at an upper portion of the hoistway so that rotation shafts of a first drive sheave and a second drive sheave are vertical to a horizontal plane. The car and the counterweight are suspended by a main rope body including a first main rope wrapped around the first drive sheave and a second main rope wrapped around the second drive sheave. The first main rope includes a first end and a second end connected to the upper portion of the hoistway, and the second main rope includes a third end and a fourth end connected to the upper portion of the hoistway. A first car sash pulley and a second car sash supply, around which the first main rope and the second main rope are wrapped, respectively, are mounted to the car. A first counterweight sash pulley and a second counterweight sash pulley, around which the first main rope and the second main rope are wrapped, respectively, are mounted to the counterweight.

IPC 8 full level
B66B 7/06 (2006.01)

CPC (source: EP)
B66B 11/0045 (2013.01); **B66B 11/008** (2013.01)

Cited by
US2010181150A1; US8584806B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1795484 A1 20070613; EP 1795484 A4 20120118; EP 1795484 B1 20140402; CN 100528728 C 20090819; CN 1918063 A 20070221; JP 4757803 B2 20110824; JP WO2006038256 A1 20080515; WO 2006038256 A1 20060413

DOCDB simple family (application)
EP 04788377 A 20040930; CN 200480041807 A 20040930; JP 2004014349 W 20040930; JP 2006539087 A 20040930