

Title (en)  
ELEVATOR EQUIPMENT

Title (de)  
AUFZUGSEINRICHTUNG

Title (fr)  
EQUIPEMENT D'ASCENSEUR

Publication  
**EP 1593640 A4 20110413 (EN)**

Application  
**EP 03705095 A 20030213**

Priority  
JP 0301470 W 20030213

Abstract (en)  
[origin: EP1593640A1] An elevator system wherein an elevator car (4) and a counterweight (3) travel through the hoistway (1) in the directions opposite to each other comprises a hoisting device (10) around which a main rope (9) is passed and which drives the elevator car (4) and the counterweight (3). The hoisting device (10) has at least two hoisting machines (11) which comprise a drive sheave (12) around which the main rope (9) is passed and an electric motor (13) to drive the drive sheave (12) to rotate; and at least one of the hoisting machines (11) is mounted on the counterweight (3). Furthermore, both of the hoisting machines (11) used for hoisting device (10) are mounted on the counterweight (3), or, in other cases, at least one of the other hoisting machines (11) of the hoisting device (10) is provided in an upper part of the hoistway. <IMAGE>

IPC 1-7  
**B66B 11/04**

IPC 8 full level  
**B66B 11/00** (2006.01); **B66B 11/04** (2006.01); **B66B 17/12** (2006.01)

CPC (source: EP KR)  
**B66B 11/0045** (2013.01 - EP); **B66B 11/0055** (2013.01 - EP); **B66B 11/04** (2013.01 - KR)

Citation (search report)

- [A] WO 9943592 A1 19990902 - OTIS ELEVATOR CO [US]
- See references of WO 2004071926A1

Cited by  
US8584806B2; WO2009013389A1

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 1593640 A1 20051109; EP 1593640 A4 20110413; EP 1593640 B1 20121003**; CN 100333991 C 20070829; CN 1639046 A 20050713; JP 4429920 B2 20100310; JP WO2004071926 A1 20060601; KR 100688730 B1 20070302; KR 20040099438 A 20041126; WO 2004071926 A1 20040826

DOCDB simple family (application)  
**EP 03705095 A 20030213**; CN 03805012 A 20030213; JP 0301470 W 20030213; JP 2004568177 A 20030213; KR 20047016333 A 20030213