

Title (en)  
ELEVATOR DEVICE

Title (de)  
AUFZUGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ASCENSEUR

Publication  
**EP 2154099 B1 20141224 (EN)**

Application  
**EP 07744553 A 20070601**

Priority  
JP 2007061165 W 20070601

Abstract (en)  
[origin: EP2154099A1] In an elevator apparatus, a driving machine is disposed in an upper portion of a hoistway such that a rotating shaft of a drive sheave is vertical. A car return sheave, a counterweight return sheave, and a deflecting sheave around which a suspending means is wound are disposed in an upper portion of the hoistway. Respective rotating shafts of the car return sheave, the counterweight return sheave, and the deflecting sheave are horizontal. A direction of flexure of the suspending means at the car return sheave and a direction of flexure of the suspending means at the deflecting sheave are mutually opposite directions.

IPC 8 full level  
**B66B 11/08** (2006.01); **B66B 11/00** (2006.01); **B66B 11/02** (2006.01); **B66B 11/04** (2006.01)

CPC (source: EP KR)  
**B66B 7/00** (2013.01 - KR); **B66B 7/06** (2013.01 - KR); **B66B 11/008** (2013.01 - EP); **B66B 11/02** (2013.01 - EP); **B66B 11/04** (2013.01 - KR); **B66B 11/043** (2013.01 - EP); **B66B 11/08** (2013.01 - KR)

Cited by  
EP2921446A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2154099 A1 20100217**; **EP 2154099 A4 20140115**; **EP 2154099 B1 20141224**; CN 101622186 A 20100106; CN 101622186 B 20110622; JP 5078998 B2 20121121; JP WO2008146403 A1 20100819; KR 101077326 B1 20111026; KR 20100004996 A 20100113; WO 2008146403 A1 20081204

DOCDB simple family (application)  
**EP 07744553 A 20070601**; CN 200780052013 A 20070601; JP 2007061165 W 20070601; JP 2009516139 A 20070601; KR 20097018341 A 20070601