Title (en)

SPEED GOVERNOR DEVICE OF ELEVATOR

Title (de)

GESCHWINDIGKEITSBEGRENZUNGSVORRICHTUNG FÜR EINEN AUFZUG

Title (fr)

LIMITEUR DE VITESSE D' UN ASCENSEUR

Publication

EP 1832542 A4 20120530 (EN)

Application

EP 04807866 A 20041227

Priority

JP 2004019511 W 20041227

Abstract (en)

[origin: EP1832542A1] A sheave shaft is rotatably supported by a pedestal fixed to a car. The pedestal is provided with a speed governor sheave around which a speed governor rope stretched vertically within a hoistway is wound. The speed governor sheave is provided with a flyweight, which is displaced from a normal position to a trip position due to a centrifugal force resulting from rotation of the speed governor sheave. The sheave shaft is provided with an operational member displaceable in an axial direction of the sheave shaft. The normal position of the flyweight is adjusted through displacement of the operational member with respect to the sheave shaft. A cam member, which is inclined with respect to a direction in which the car is moved, is provided within the hoistway. The car is provided with an operational force transmitting member for displacing the operational member. The operational force transmitting member has an engaging portion engaged with the operational member in the axial direction of the sheave shaft, and a driven portion coupled to the engaging portion to be guided along the cam member through a movement of the car.

IPC 8 full level

B66B 5/04 (2006.01)

CPC (source: EP)

B66B 5/044 (2013.01)

Citation (search report)

- [A] US 1959528 A 19340522 - VINCENT FEDERICI
- See references of WO 2006070436A1

Cited by

US10745245B2; US9033111B2; WO2019207198A1; US10894695B2

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 1832542 A1 20070912; **EP 1832542 A4 20120530**; **EP 1832542 B1 20130522**; CN 1960930 A 20070509; CN 1960930 B 20101208; JP 4292215 B2 20090708; JP WO2006070436 A1 20080612; WO 2006070436 A1 20060706

DOCDB simple family (application)

EP 04807866 A 20041227; CN 200480043216 A 20041227; JP 2004019511 W 20041227; JP 2006550505 A 20041227