

Title (en)
SPEED GOVERNOR OF ELEVATOR

Title (de)
GESCHWINDIGKEITSREGLER FÜR AUFZUG

Title (fr)
RÉGULATEUR DE VITESSE POUR ASCENSEUR

Publication
EP 1770044 A1 20070404 (EN)

Application
EP 04770864 A 20040722

Priority
JP 2004010400 W 20040722

Abstract (en)
In an elevator speed governor, a pulley around which a speed governor rope is looped is rotatably supported by a base. A ratchet, which is provided with an engaging strip for actuation and can rotate around a pulley shaft of the pulley, is supported by the base. The pulley is provided with an engaging mechanism having a pawl, which is engaged with the ratchet to rotate the ratchet in the same direction as the pulley when the rotational speed of the pulley has reached a set overspeed. A rope holding mechanism for braking the speed governor rope is disposed below the pulley. An actuating lever for actuating the rope holding mechanism by being pressed by the engaging strip for actuation and displaced is coupled to the rope holding mechanism. A groove portion, into which a part of the engaging strip for actuation is inserted, is formed in the base. The groove portion extends in a direction so that the engaging strip for actuation moves.

IPC 8 full level
B66B 5/04 (2006.01)

CPC (source: EP)
B66B 5/044 (2013.01)

Cited by
US11292692B2; US2011272217A1; US8950554B2; US11414298B2; WO2019207198A1; US11115209B2

Designated contracting state (EPC)
DE NL

DOCDB simple family (publication)
EP 1770044 A1 20070404; EP 1770044 A4 20111102; EP 1770044 B1 20150128; CN 100575233 C 20091230; CN 1894152 A 20070110; EP 2402276 A1 20120104; EP 2402276 B1 20130424; JP 4292205 B2 20090708; JP WO2006008813 A1 20080501; WO 2006008813 A1 20060126

DOCDB simple family (application)
EP 04770864 A 20040722; CN 200480037842 A 20040722; EP 11180361 A 20040722; JP 2004010400 W 20040722; JP 2006519229 A 20040722