

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASCENSEUR

Publication
EP 2695842 A4 20140820 (EN)

Application
EP 11863223 A 20110405

Priority
JP 2011002015 W 20110405

Abstract (en)
[origin: EP2695842A1] An elevator system is obtained, in which an upper braking member can be surely inserted into a predetermined position, and by which safety of and the reliability for passengers can be improved. In order to achieve the present invention, the elevator system includes an operation lever pivoting by a lift-up rod connected to a governor rope, a first active lever whose one end is mounted to each of upper wedges, while whose other end is perpendicularly fixed to an upper pivot axis, a second active lever whose one end is mounted to each of lower wedges, while whose other end is perpendicularly fixed to a lower pivot axis which extends in a direction that the lower wedges face each other, and is pivotably mounted to a lower portion of an mounting frame, and a linkage, whose length is previously set, for connecting, in an up-and-down direction, a one end of a third active lever whose other end is perpendicularly fixed to the upper pivot axis, with a one end of a fourth active lever whose other end is perpendicularly fixed to the lower pivot axis, in which a distance to the lower wedges from a lower stopper plate, provided in a position where braking force is imparted to contact the lower wedges, is set longer, by the linkage, than a distance to the upper wedges from an upper stopper plate, provided in a position where braking force is imparted to contact the upper wedges.

IPC 8 full level
B66B 5/04 (2006.01); **B66B 5/18** (2006.01); **B66B 5/22** (2006.01)

CPC (source: EP KR)
B66B 5/04 (2013.01 - EP); **B66B 5/18** (2013.01 - EP); **B66B 5/22** (2013.01 - EP KR)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2012137248A1

Cited by
WO2019197703A1; WO2021239456A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2695842 A1 20140212; EP 2695842 A4 20140820; EP 2695842 B1 20150826; CN 103459291 A 20131218; CN 103459291 B 20150401; JP 5535398 B2 20140702; JP WO2012137248 A1 20140728; KR 101512924 B1 20150416; KR 20140006976 A 20140116; WO 2012137248 A1 20121011

DOCDB simple family (application)
EP 11863223 A 20110405; CN 201180069699 A 20110405; JP 2011002015 W 20110405; JP 2013508626 A 20110405; KR 20137029325 A 20110405