

Title (en)
SAFETY DEVICE FOR ELEVATOR

Title (de)
SICHERHEITSVORRICHTUNG FÜR EINEN AUFZUG

Title (fr)
DISPOSITIF DE SÉCURITÉ POUR ASCENSEUR

Publication
EP 2380840 A4 20180110 (EN)

Application
EP 09838758 A 20090120

Priority
JP 2009050729 W 20090120

Abstract (en)
[origin: EP2380840A1] In an elevator safety system, an engagement disc with a small diameter, which is rotated integrally with a rotary body, is provided coaxially with the rotary body. The engagement disc is rotatable relative to the rotary body. However, the engagement disc is rotated integrally with the rotary body under normal conditions. The rotation of the engagement disc is mechanically stopped by an engagement-disc stopping mechanism. The engagement-disc stopping mechanism is operated by an actuator. When the rotation of the engagement disc is stopped by the engagement-disc stopping mechanism, the rotation of the rotary body relative to the engagement disc is transmitted to a rotary-body stopping mechanism by an interlocking mechanism. Then, the rotary body is stopped by the rotary-body stopping mechanism.

IPC 8 full level
B66B 5/04 (2006.01)

CPC (source: EP KR)
B66B 5/02 (2013.01 - KR); **B66B 5/044** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2010084565A1

Cited by
WO2020050768A1; EP3847119A4; EP3480831A1; CN109720957A; EP3326952A1; CN108002168A; US10759631B2; US11034546B2; US11524871B2

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
EP 2380840 A1 20111026; EP 2380840 A4 20180110; EP 2380840 B1 20211117; CN 102216189 A 20111012; CN 102216189 B 20130821; JP 5312487 B2 20131009; JP WO2010084565 A1 20120712; KR 101199745 B1 20121108; KR 20110052750 A 20110518; WO 2010084565 A1 20100729

DOCDB simple family (application)
EP 09838758 A 20090120; CN 200980145325 A 20090120; JP 2009050729 W 20090120; JP 2010547327 A 20090120; KR 20117008868 A 20090120