

Title (en)  
SAFETY DEVICE FOR ELEVATOR

Title (de)  
SICHERHEITSVORRICHTUNG FÜR EINEN AUFZUG

Title (fr)  
DISPOSITIF DE SÉCURITÉ POUR ASCENSEUR

Publication  
**EP 2380839 A1 20111026 (EN)**

Application  
**EP 09838756 A 20090120**

Priority  
JP 2009050725 W 20090120

Abstract (en)  
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 1/32** (2013.01 - KR); **B66B 5/04** (2013.01 - KR); **B66B 5/044** (2013.01 - EP)

Citation (search report)  
See references of WO 2010084563A1

Cited by  
US2017190545A1; EP3202698A1; US10472209B2; US11155440B2; US11542122B2

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 2380839 A1 20111026**; CN 102216190 A 20111012; JP WO2010084563 A1 20120712; KR 101199691 B1 20121108; KR 20110059804 A 20110603; WO 2010084563 A1 20100729

DOCDB simple family (application)  
**EP 09838756 A 20090120**; CN 200980145786 A 20090120; JP 2009050725 W 20090120; JP 2010547325 A 20090120; KR 20117010106 A 20090120