

Title (en)  
SAFETY DEVICE FOR ELEVATOR

Title (de)  
AUFZUGSSICHERHEITSVORRICHTUNG

Title (fr)  
DISPOSITIF DE SÉCURITÉ POUR ASCENSEUR

Publication  
**EP 2017213 B1 20140820 (EN)**

Application  
**EP 06746207 A 20060510**

Priority  
JP 2006309393 W 20060510

Abstract (en)  
[origin: EP2017213A1] An elevator has: a car that can be raised and lowered inside a hoistway; a main rope that suspends the car; and a hoisting machine that includes a drive sheave onto which the main rope is wound and that raises and lowers the car by rotation of the drive sheave. An elevator safety apparatus includes: a hoisting machine braking apparatus for applying a braking force to the main rope by braking rotation of the drive sheave; an auxiliary brake rope that is connected to the car, and that is separate from the main rope; an auxiliary brake pulley that is disposed in an upper portion of the hoistway, and around which the auxiliary brake rope is wound; and an auxiliary braking apparatus for applying a braking force to the auxiliary brake rope. The car receives the respective braking -forces from the main rope and the auxiliary brake rope by respective operation of the hoisting machine braking apparatus and the auxiliary braking apparatus, and is braked by the received braking forces.

IPC 8 full level  
**B66B 5/16** (2006.01); **B66B 7/06** (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP KR)  
**B66B 5/16** (2013.01 - KR); **B66B 7/06** (2013.01 - KR); **B66B 11/009** (2013.01 - EP)

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**EP 2017213 A1 20090121**; **EP 2017213 A4 20131002**; **EP 2017213 B1 20140820**; CN 101356109 A 20090128; CN 101356109 B 20120104; JP 5073483 B2 20121114; JP WO2007129408 A1 20090917; KR 101016079 B1 20110217; KR 20080064906 A 20080709; WO 2007129408 A1 20071115

DOCDB simple family (application)  
**EP 06746207 A 20060510**; CN 200680050743 A 20060510; JP 2006309393 W 20060510; JP 2007513530 A 20060510; KR 20087014029 A 20060510