Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF D ASCENSEUR

Publication
EP 1927567 A4 20121219 (EN)

Application
EP 06731033 A 20060404

Priority
- JP 2006307085 W 20060404
- JP 2005273993 A 20050921

Abstract (en)
[origin: EP1927567A1] A shock absorber for a car is provided at a bottom within a hoistway. A hoisting machine is provided with a hoisting machine brake device for braking a movement of the car. A safety device controls an operation of the hoisting machine brake device when there is an abnormality in a speed of the car such that the speed of the car becomes equal to or lower than an allowable collision speed of a shock absorber before the car reaches a position of the shock absorber. The safety device starts the operation of the hoisting machine brake device when the speed of the car exceeds an overspeed detection level. A value of the overspeed detection level in a predetermined interval from the position of the shock absorber is set in accordance with a position of the car such that the speed of the car becomes equal to the allowable collision speed of the shock absorber at the position of the shock absorber through braking of the car by the hoisting machine brake device.

IPC 8 full level
B66B 5/06 (2006.01); **B66B 1/32** (2006.01); **B66B 5/02** (2006.01)

CPC (source: EP KR)
B66B 1/285 (2013.01 - EP); **B66B 1/32** (2013.01 - EP KR); **B66B 5/02** (2013.01 - EP); **B66B 5/06** (2013.01 - EP KR)

Citation (search report)
- [X] WO 2004031064 A1 20040415 - HITACHI LTD [JP], et al
- [X] WO 2004028947 A1 20040408 - MITSUBISHI ELECTRIC CORP [JP]
- See references of WO 2007034587A1

Cited by
CN104291193A; EP3819245A1; CN112777446A; EP2576406A4; US11897728B2; US8985280B2; WO2011148043A1; WO2012049357A1; US9434575B2; EP2576406B1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1927567 A1 20080604; **EP 1927567 A4 20121219**; **EP 1927567 B1 20140305**; CN 101151202 A 20080326; CN 101151202 B 20110803; JP 2007084239 A 20070405; JP 4403123 B2 20100120; KR 100909304 B1 20090724; KR 20080014732 A 20080214; WO 2007034587 A1 20070329

DOCDB simple family (application)
EP 06731033 A 20060404; CN 200680009889 A 20060404; JP 2005273993 A 20050921; JP 2006307085 W 20060404; KR 20077021195 A 20060404