

Title (en)  
TERMINATION FLOOR FORCED DECELERATION DEVICE FOR ELEVATOR

Title (de)  
ZWANGSENTSCHLEUNIGUNGSVORRICHTUNG FÜR DEN LETZTEN STOCK EINES AUFZUGES

Title (fr)  
DISPOSITIF DE DÉCÉLÉRATION FORCÉE À L'ÉTAGE TERMINAL POUR ASCENSEUR

Publication  
**EP 2660179 B1 20201216 (EN)**

Application  
**EP 10861333 A 20101227**

Priority  
JP 2010073527 W 20101227

Abstract (en)  
[origin: EP2660179A1] There is provided a termination floor forced deceleration device of an elevator, in which the installation and adjustment can be simplified, and the time necessary for installation and adjustment can be shortened. For this purpose, in the termination floor forced deceleration device of an elevator, which has an overspeed monitoring section which outputs a braking instruction for decelerating a car in the case where the speed of the car lying at a position within a predetermined distance from the terminal of the shaft is not lower than a predetermined speed set in advance, an actuation plate provided on the car; two position detection sensors which are arranged side by side along the rising/lowering path of the car in the shaft and detect the actuation plate; and a consistency check circuit which reverses an output from itself, based on the outputs of both of the two position detection sensors, in the case where the outputs of the both are consistent with each other. Also, the overspeed monitoring section, based on the output from the consistency check circuit, recognizes whether or not the car lies at the position within the predetermined distance from the terminal of the shaft.

IPC 8 full level  
**B66B 5/06** (2006.01); **B66B 3/02** (2006.01)

CPC (source: EP KR)  
**B66B 1/3492** (2013.01 - EP); **B66B 3/02** (2013.01 - EP KR); **B66B 5/06** (2013.01 - EP KR)

Citation (examination)  
• JP 2003095555 A 20030403 - TOSHIBA ELEVATOR CO LTD  
• JP 2009126705 A 20090611 - MITSUBISHI ELECTRIC CORP  
• JP H04182287 A 19920629 - MITSUBISHI ELECTRIC CORP

Cited by  
US10858218B2

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 2660179 A1 20131106**; **EP 2660179 A4 20171115**; **EP 2660179 B1 20201216**; CN 103282298 A 20130904; CN 103282298 B 20150708; JP 5541372 B2 20140709; JP WO2012090264 A1 20140605; KR 101447399 B1 20141006; KR 20130061758 A 20130611; WO 2012090264 A1 20120705

DOCDB simple family (application)  
**EP 10861333 A 20101227**; CN 201080070968 A 20101227; JP 2010073527 W 20101227; JP 2012550593 A 20101227; KR 20137011158 A 20101227