Title (en)

ELEVATOR DOOR DEVICE

Title (de)

AUFZUGSTÜRVORRICHTUNG

Title (fr)

DISPOSITIF DE PORTE D'ASCENSEUR

Publication

EP 2653425 A4 20171011 (EN)

Application

EP 10860697 A 20101215

Priority

JP 2010072538 W 20101215

Abstract (en)

[origin: EP2653425A1] Provided is a door operator of an elevator capable of discriminating between a fully open condition and a fully closed condition of a door of the elevator by one position switch. For this purpose, the door operator of an elevator includes a position switch in which two sets of phototransmitter/photoreceiver devices are arranged side by side in a vertical direction; a first intercepting body which intercepts or reflects light from a lower side phototransmitter to a lower side photoreceiver when the door has come to one of a fully closed condition and a fully open condition; and a second intercepting body which simultaneously intercepts or reflects light from the lower side phototransmitter to the lower side photoreceiver and light from an upper side phototransmitter to an upper side photoreceiver when the door has come to the other of the fully closed condition and the fully open condition. In this door operator of an elevator, the second intercepting body has: a first intercepting portion which intercepts or reflects light from the lower side phototransmitter to the lower side photoreceiver when the door has come to the other of the fully closed condition and the fully open condition; and a second intercepting portion which is formed to be wider than the first intercepting portion in the opening and closing direction of the door in such a manner as to intercept or reflect light from the upper side phototransmitter to the upper side photoreceiver while the first intercepting portion is intercepting or reflecting light from the lower side phototransmitter to the side lower photoreceiver.

IPC 8 full level (invention and additional information)

B66B 13/22 (2006.01); **B66B 13/08** (2006.01); **B66B 13/14** (2006.01)

CPC (invention and additional information)

B66B 13/22 (2013.01); **B66B 13/08** (2013.01); **B66B 13/143** (2013.01)

Designated contracting state (EPC)

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