

Title (en)
ELEVATOR DOOR CONTROL DEVICE

Title (de)
STEUERVORRICHTUNG FÜR EINE AUFZUGSTÜR

Title (fr)
DISPOSITIF DE COMMANDE DE PORTES POUR ASCENSEUR

Publication
EP 2502870 B1 20160330 (EN)

Application
EP 09851444 A 20091118

Priority
JP 2009069553 W 20091118

Abstract (en)
[origin: EP2502870A1] There is provided an elevator door control device that makes detection so as to be capable of judging which of the full open position and the full close position is the position of a door panel by using a position switch provided in only one location along the travel direction of the door panel. For this purpose, an elevator door control device, which controls the opening/closing operation of the door panel which opens and closes an elevator entrance in the right-and-left direction, includes one position switch; first and second light transmitters and first and second light receivers, which are provided on the position switch; a first shield plate and a second shield plate, which are provided on the door panel; and a door control device body that judges, based on a signal carrying information about the light receiving state of the first and second light receivers outputted from the position switch, whether or not the door panel lies at the full open position and the full close position. When the door panel is fully opened, the first shield plate shields one or more predetermine light beams of first and second light beams, and when the door panel is fully closed, the second shield plate shields one or more predetermined light beams of the first and second light beams different from the predetermined light beams shielded by the first shield plate.

IPC 8 full level
B66B 13/14 (2006.01); **B66B 13/22** (2006.01)

CPC (source: EP KR)
B66B 13/143 (2013.01 - EP); **B66B 13/22** (2013.01 - KR); **E05F 15/643** (2015.01 - EP); **E05F 17/004** (2013.01 - EP);
E05F 2017/005 (2013.01 - EP); **E05Y 2201/224** (2013.01 - EP); **E05Y 2201/62** (2013.01 - EP); **E05Y 2400/322** (2013.01 - EP);
E05Y 2400/324 (2013.01 - EP); **E05Y 2400/354** (2013.01 - EP); **E05Y 2900/104** (2013.01 - EP)

Cited by
DE112014006738B4; EP2653425A4; CN112576114A

Designated contracting state (EPC)
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EP 2502870 A1 20120926; **EP 2502870 A4 20141224**; **EP 2502870 B1 20160330**; CN 102666351 A 20120912; CN 102666351 B 20140430;
JP 5287997 B2 20130911; JP WO2011061822 A1 20130404; KR 101250697 B1 20130403; KR 20120054097 A 20120529;
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