

ABSTRACT

CONTROL DEVICE OF ELEVATOR CAGE

For implementing UCMP and enabling high-accuracy leveling control, a control device of an elevator cage includes an elevator cage; a motor for hoisting; a blocking member provided at an entrance of each floor in an elevator hoistway; and a photoelectric position detector to detect the blocking member optically. The one-sheet form blocking member (11) includes a door-zone detection area (34), a door-zone upper end-releveling zone lower end detection area (35) and a door-zone lower end-releveling zone upper end detection area (36) arranged in a line. The photoelectric position detector (10) includes a first detection section (101A) detecting the door-zone lower end and the door-zone upper end of the door-zone detection area (34); a second detection section (102A) detecting the releveling zone lower end and the door-zone upper end of the door-zone upper end-releveling zone lower end detection area (35); and a third detection section (103A) detecting the door-zone lower end and the releveling zone upper end of the door-zone lower end-releveling zone upper end detection area (36).

[Selected Figure] Fig. 3