

ELEVATOR DOOR SYSTEM

ABSTRACT OF THE DISCLOSURE

In an elevator door system, a camera (8) for taking a video of a predetermined range SA set in the vicinity of a landing entrance (9) of a car (3) is provided on an upper portion of the car (3). A control unit (10) detects a presence/absence of a user U by analyzing video information from the camera (8) and if a user is detected, specifies a position and a velocity of the user. The control unit (10) determines whether the user is able to get on the car based on an opening/closing state of the door (5) and the position and the velocity of the user. If it is determined that the user is able to get on, the control unit (10) lowers the closing velocity of the door (5) relative to a current velocity. If it is determined that the user is unable to get on, the control unit (10) executes a predetermined operation such as reversing the operation of the door (5).

Figure 1