

**Elevator System with Safety Device on Elevator Doors**

## Abstract

In an elevator system that comprises an elevator hoistway (101), a plurality of hoistway doors (203.1, 203.2) arranged above each other each with at least one horizontally moveable hoistway door panel (209.1, 209.2), and an elevator car (205) with a car door (206) that has at least one horizontally movable car door panel (207), fastened to the car door panel (207) is a vertically extending barrier rail (208), and in each of the areas lying in vertical direction between the hoistway door panels (209.1, 209.2) of adjacent hoistway doors (203.1, 203.2) two locationally fixed stopping dogs (210) that are vertically spaced from each other are arranged in such manner that in each case one of the stopping dogs (210) limits the opening movement of the barrier rail (208), and thereby of the car door panel (207), when the position of the elevator car (205) deviates in upward direction or in downward direction by a certain minimum distance from the intended stopping position.

(Fig. 2)