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**Noda et al.**

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(54) **ELEVATOR SYSTEM**

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(57) **ABSTRACT**

According to one embodiment, an elevator system includes a camera, a passenger detection module and a controller. The camera is capable of imaging a particular range in a direction from a vicinity of a door of a car to a hall when the car arrives at the hall. The passenger detection module detects presence or absence of a passenger who intends to get into the car by focusing on movement of a movable body within a specific area by using a plurality of time-series continuous images which are captured by the camera. The controller controls an opening/closing operation of the door based on a detection result of the passenger detection module. A width of the area is being set greater than at least a width of the door.

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(58) **Field of Classification Search**

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See application file for complete search history.

**9 Claims, 11 Drawing Sheets**

