

ABSTRACT (FIG. 1)

"ELEVATOR PASSENGER DETECTION SYSTEM"

5 According to one embodiment, an elevator passenger
detection system includes a luminance gradient
detection unit (24a) detecting a luminance gradient
direction in each pixel of a captured image of a camera
(12), in any angle unit, a differential feature amount
10 generation unit (24b) generating a differential feature
amount for extracting variation in the luminance
gradient direction, a moving body detection unit (24c)
detecting a portion where the luminance gradient
direction is changed from the captured image as a
15 moving body, based on the differential feature amount,
and a person detection unit (24d) detecting the moving
body as a person, based on information on the moving
body.