

ABSTRACT (FIG. 1)
"USER DETECTION SYSTEM"

According to one embodiment, a user detection
system includes a camera (12), a boundary detector
5 (22a), a user detector (22b) and a controller (30).
The camera is installed in a peripheral region of a
door, and captures a running region when opening or
closing the door and a region near the door. The
boundary detector detects a boundary between a first
10 structure and a second structure in the region near the
door based on an image captured by the camera. The
user detector detects whether there is a user in the
running region based on a result detected by the
boundary detector. The controller controls an
15 open/close operation of the door based on a result
detected by the user detector.