

PASSENGER BOARDING BRIDGE

ABSTRACT

Provided is a passenger boarding bridge that is capable of docking a cab with an aircraft while making it possible to eliminate or simplify operations performed by an operator. The passenger boarding bridge according to one example of the present invention includes: a tunnel unit (5); a cab (6); a drive wheel (9) provided on the tunnel unit or the cab; a rotational mechanism configured to rotate the cab; a controller configured to control the drive wheel and the rotational mechanism; an entrance image capturing camera (21) mounted to the cab and configured to capture an image of an entrance of an aircraft; and an entrance position calculator configured to detect the entrance of the aircraft based on the image of the entrance, which is captured by the entrance image capturing camera, and calculate horizontal positional information of the entrance. The controller is, when the cab is at a predetermined standby position from which the cab starts moving at a time of performing docking of the cab with the entrance, configured to: calculate a target position based on the horizontal positional information of the entrance, which is calculated by the entrance position calculator, the target position being a destination position to which the cab is moved for docking the cab with the entrance; and move the cab from the standby position to the target position.

Fig. 1