

METHOD OF CONTROLLING TRAVELING OF PASSENGER BOARDING BRIDGE

ABSTRACT

Provided is a method of controlling traveling of a passenger boarding bridge, the method making it possible to cause a travel unit of the passenger boarding bridge to properly perform straight traveling from a movement start position to a destination position. One example of the method of controlling traveling of a passenger boarding bridge according to the present invention is a method of controlling traveling of a passenger boarding bridge including: a rotunda (4) rotatable about a vertical axis; a tunnel unit (5); a cab (6); a lifting/lowering mechanism (10); and a travel unit (12). The method includes, at a time of docking the cab (6) with an entrance of an aircraft: a step of calculating relative positional information indicating a position of the entrance as seen from the cab (6) when the travel unit (12) is at a movement start position; a step of calculating positional information of a destination position based on the movement start position and the relative positional information in a case where a distance from the movement start position to the destination position is less than a horizontal distance from the vertical axis to a center point of the travel unit (12); a step of calculating a target travel angle; and a traveling step of controlling the travel unit (12) only such that, during traveling of the travel unit (12), a travel angle of the travel unit (12) is kept to the target travel angle.

Fig. 1