

PASSENGER BOARDING BRIDGE

ABSTRACT

A passenger boarding bridge includes: a rotunda connected to a terminal building; a tunnel unit whose proximal end is connected to the rotunda; a cab provided at a distal end of the tunnel unit; and a travel device supporting the tunnel unit. The cab includes: a first floor configured to serve as a walkway that communicates with the tunnel unit; a second floor provided on the first floor; and a moving mechanism configured to move the second floor to a stop position at which the second floor is close to, or in contact with, an aircraft. The moving mechanism includes: a driver configured to apply driving force to the second floor; and a control device configured to control driving of the driver. The control device controls the driver to retreat the second floor stopped at the stop position to a retreat position away from the aircraft either in a case where a travel wheel of the travel device is unable to rotate or in a case where rotation of the travel wheel of the travel device for undocking the cab from the aircraft is prohibited.

Fig. 1