

ABSTRACT

DETECTION SYSTEM FOR DETECTING ENTRANCE OF AIRCRAFT

A detection system includes: a passenger boarding bridge connected to a terminal building; a camera on the passenger boarding bridge; and an image processor that detects an entrance of an aircraft from a captured image captured by the camera. The image processor includes: a search area image generator that generates a search area image by demarcating a predetermined area including part of the captured image; and a search performer that performs a search to determine whether or not the entrance is present within the search area image. The search area image generator shifts the predetermined area on the captured image from one side toward the other side of the aircraft in a direction of an aircraft axis of the aircraft to sequentially generate the search area image. The search performer repeatedly performs the search while changing the search area image by using multiple search area images that are sequentially generated.

Figure 4