

ABSTRACT

APPARATUS FOR DIAGNOSING DETERIORATION OF MOVING HANDRAIL IN PASSENGER CONVEYOR

According to the invention, a personal computer extracts a deviation between a color tone of a surface of a moving handrail obtained from images taken by first cameras and a predetermined color tone of a surface of a new moving handrail. When the deviation exceeds a predetermined threshold which is a value regarded as occurrence of deterioration, the personal computer performs arithmetic operation for identifying a position of the moving handrail in each of the images taken by the first cameras. When the identified position of the moving handrail reaches a position where a radiation unit is placed, the personal computer outputs a driving signal to a drive control portion for the radiation unit so as to allow radiation to be transmitted through the moving handrail, and performs control of processing for displaying a radiographic image taken by a second camera so as to display the radiographic image on a monitor. Thus, it is possible to provide an apparatus for diagnosing deterioration of a moving handrail in a passenger conveyor, which can diagnose deterioration of the moving handrail based on a change of a color tone in a surface of the moving handrail.

FIG. 1