

PASSENGER CONVEYOR HANDRAIL INSPECTION APPARATUS, PASSENGER
CONVEYOR HANDRAIL INSPECTION METHOD, AND PASSENGER CONVEYOR
HANDRAIL INSPECTION PROGRAM

ABSTRACT

A passenger conveyor handrail inspection apparatus for inspecting a passenger conveyor handrail based on a through-transmission image generated by transmission through the handrail, includes an image data input portion, a coloring processing portion, and a deterioration determination portion. The image data input portion acquires the through-transmission image generated with information indicating luminance as each pixel. The coloring processing portion converts each pixel forming the through-transmission image into color information based on a color conversion table in which luminance and color are associated with each other, and generates a colored image from the color information. The deterioration determination portion determines deterioration of the handrail based on the color of each pixel forming the colored image. Thus, it is possible to provide a passenger conveyor handrail apparatus which can determine deterioration including deterioration around a tension member.

FIG. 3