

ABSTRACT

A detection-region database creating device according to one embodiment includes an acquiring module and a creating module. The acquiring module acquires, from a railway vehicle, a captured image obtained by capturing an image in a traveling direction of the railway vehicle by an image capturing device in the railway vehicle, and a travel position of the railway vehicle when the captured image is obtained. The creating module creates, on the basis of the captured image and the travel position, a detection-region database that associates a target position with detection-region information expressing a three-dimensional shape of the extended region, the target position being a position corresponding to the travel position at which a detection region where an obstacle that interrupts travel of the railway vehicle in the captured image is detected is extended to an extended region outside a rolling stock gauge or a construction gauge of the railway vehicle.