

ABSTRACT

A railway track identification device according to an embodiment includes an image acquisition unit, a railway track detection unit, a branch track detection unit, and a railway track detection result output unit. The image acquisition unit acquires a captured image acquired by capturing an image of a region lying in a traveling direction of a railway vehicle. The railway track detection unit detects, for each of a plurality of groups of pixels in the captured image, a railway track on a basis of a feature, the feature being based on a predetermined standard and being possible to be a criterion representing similarity to a railway track. The branch track detection unit detects whether there is a branch track branching off from the railway track being detected. The railway track detection result output unit outputs a result of detection by the railway track detection unit and a result of detection by the branch track detection unit.