

ABSTRACT

An abrasion inspection apparatus includes: a first imaging unit that is installed on a side of a track, a vehicle traveling along the track, a guide wheel being installed on a side of the vehicle, the first imaging unit imaging an inside of the track via a telecentric lens; a second imaging unit that is installed in a vehicle traveling direction with respect to the first imaging unit on the side of the track and images the inside of the track via a telecentric lens; an image acquisition unit that acquires an image which is an image of a boundary of the guide wheel captured by the first imaging unit and is an image of a boundary on a first direction side in the vehicle traveling direction and an image which is an image of the boundary of the guide wheel captured by the second imaging unit at the same time as the capturing of the image by the first imaging unit and is an image of a boundary on an opposite side to the first direction side; and a guide wheel detection unit that detects an abrasion situation of the guide wheel according to a position of a boundary indicated in the images acquired by the image acquisition unit.