

MAINTENANCE ASSISTANCE SYSTEM AND MAINTENANCE ASSISTANCE METHOD
FOR RAILROAD GROUND EQUIPMENT

ABSTRACT OF THE DISCLOSURE

5 An object is to improve the accuracy of prediction of
deterioration of railroad ground equipment. Provided is a
maintenance assistance system for railroad ground equipment,
comprising: an environmental-information storage part storing
environmental information containing information on weather
10 observed at a plurality of geographical points and on geographical
conditions at the geographical points; and an environmental-load
estimation part holding a relational formula indicating the
relationship between aged deterioration of railroad ground
equipment and the environmental information, and configured to,
15 upon specification of railroad ground equipment for which to
execute deterioration prediction, acquire the environmental
information which is recorded at a point near the installed
position of the railroad ground equipment, during the target
period of the deterioration prediction, and predict the degree
20 of aged deterioration of the railroad ground equipment by using
the acquired environmental information and the relational
formula.

FIG. 1