

Abstract

Wire Rope Remote Surveillance System

[Problem] To provide a wire rope remote surveillance system which can perform remote, accurate, objective and continuous surveillance concerned with deterioration of a wire rope used as a running cable in an important facility or a facility which has a tendency toward a serious accident when damaged.

[Means for Resolution] The system includes: a unit which measures a status of a wire rope; a first surveillance apparatus which records, displays and accumulates measured data output from the measuring unit, processes the measured data, makes a judgment based on the relation with the accumulated measured data as to whether or not there is an abnormality, and issues a warning when there is an abnormality; and a second surveillance apparatus which is connected to the first surveillance apparatus through a communication unit and which exchanges data with the first surveillance apparatus, checks data of the judgment unit when receiving a warning, makes a final decision, and informs the first surveillance apparatus of the final decision.

[Selected Drawing] Fig. 1