

ABSTRACT

ROPE TESTER, WIRE ROPE ANALYZING APPARATUS AND CONTROL
PROGRAM THEREFOR

5

It is arranged to ascertain the condition of a wire rope in advance without increasing workload. A rope tester includes: a magnetization detector 10 having a magnetizer for generating a magnetic force, and a detector for detecting a change in magnetism produced in a wire rope 1 magnetized by the magnetic force generated by the magnetizer; a digital camera 21, which is provided a predetermined distance away from the magnetization detector 10 along the traveling direction of the wire rope 1, for imaging the wire rope 1; and a controller 30, which is connected to the magnetization detector 10 and to the digital camera 21, for detecting the location of a defect in the wire rope 1 based on a change in magnetism detected by the magnetization detector 10, and outputting a drive signal that actuates the digital camera 21 at a timing at which the defect location arrives at the location at which the digital camera 21 is installed.

25 Fig. 1