

ABSTRACT

APPARATUS FOR WIRE ROPE INSPECTION, APPARATUS, METHOD, AND PROGRAM FOR WIRE ROPE DAMAGE DETERMINATION

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A rope tester (20) is provided along a passage through which multiple wire ropes (5) arranged in parallel with each other travel and adapted to sense a leakage magnetic flux leaking from the wire ropes (5) that have
10 been magnetized. The rope tester (20) includes a sensor surface formed in a plane and having a length greater than the entire width of the multiple parallel-arranged wire ropes (5). Upon sensing of the leakage magnetic flux, the sensor surface of the rope tester (20) is disposed
15 parallel to a plane defined by the multiple parallel-arranged wire ropes (5) to be in line contact with the multiple wire ropes (5) and across the entire width of the multiple parallel-arranged wire ropes (5).

20 Fig. 1