

ELEVATOR ABNORMALITY DETECTION DEVICE

ABSTRACT

The accuracy of detecting damage to a water-cooled cooling system used in an elevator device is enhanced. An elevator abnormality detection device according to embodiments includes a storage unit that stores at least one of a value of drive current of a pump under normal conditions, a water pressure value in a pipe under normal conditions, a value of flow rate of water flowing through the pipe under normal conditions, a value of vibration produced by the water-cooled cooling system under normal conditions, and a value of sound produced by the water-cooled cooling system under normal conditions as a reference value, and an abnormality detecting unit that compares at least one of a measured value of drive current, a measured water pressure value in the pipe, a measured value of flow rate of water flowing through the pipe, a measured value of vibration produced by the water-cooled cooling system, and a measured value of sound produced by the water-cooled cooling system, with the reference value, and detects that an abnormality has occurred in the water-cooled cooling system when a difference between the measured value and the reference value exceeds a predetermined value. The measured value is measured each time the cage ascends or descends.

[Selected Drawing] Fig. 6