

ABSTRACT

By incorporating a semi-supervised anomaly detection method using normal data and a small amount of anomaly data, a device for detecting anomalies in overhead contact line fittings and a method for detecting anomalies in overhead contact line fittings are provided that effectively utilize a small amount of anomaly data acquired in actual operations. Provided are a camera 3 that is mounted on the roof of a vehicle 2; a storage device 5 that stores image data output from the camera 3; a learning processing unit 9 that learns an anomaly detection model by semi-supervised anomaly detection learning using one-hot expression index image data that are obtained by converting the image data; and a data processing unit 7 that performs anomaly determinations by using the anomaly detection model.

FIG. 1