[ABSTRACT]

According to an aspect of the technique of the present disclosure, there is provided a configuration of creating a normal model by acquiring sensor data related to a component subject to an abnormal sign detection and monitoring an apparatus state based on the normal model, wherein the sensor data is acquired after a replacement or a maintenance of the component subject to the abnormal sign detection to re-create the normal model by using the sensor data, and an abnormal sign is detected before an abnormal apparatus stop occurs by monitoring the apparatus state based on the normal model.