

Abstract

Elevator Brake Device Deterioration Prediction System

An object of the present invention is to provide a brake device deterioration prediction system (1) capable of accurately predicting a deterioration time of a brake device (11). The brake device deterioration prediction system (1) includes an observation unit (28), a conversion unit (31), a generation unit (34), and a prediction unit (35). The observation unit (28) acquires operation data regarding the operation of the brake device (11) when the brake device (11) operates. The conversion unit (31) converts the operation data into index data indicating deterioration of the brake device (11) for each preset unit of time. The generation unit (34) generates a deterioration model including a trend component showing a trend of long-term change and a periodic component showing a periodic change, as a model showing a change-with-time of deterioration represented by the index data. The prediction unit (35) predicts the deterioration time of the brake device (11) based on the deterioration model.

Fig. 2