However, when the amount of video data included in the inspection data is large, the data communication amount at the time of transmitting the inspection data may increase to exceed the set upper limit.

[0008]

An example of the present disclosure is to provide an elevator control device and an elevator inspection processing method capable of efficiently acquiring elevator inspection data and transmitting the elevator inspection data to a remote monitoring device while considering a data communication amount with the remote monitoring device.

[0009]

An elevator control device in accordance with some examples is communicably connected to a remote monitoring device configured to transmit an inspection instruction for causing an elevator to execute an inspection process every prescribed period from a remote place, and includes a data amount storage, a specification unit, an inspection execution unit, and an inspection result processor. The data amount storage is configured to store information on a previous inspection data amount that is a data amount of inspection data acquired by an inspection process executed previously. The specification unit is configured to specify a type of inspection data to be acquired in a current inspection process on a basis of the previous inspection data amount stored in the data amount storage upon acquiring the inspection instruction transmitted from the remote monitoring device. The inspection execution unit is configured to acquire the type of inspection data specified by the specification unit, execute the current inspection process, and acquire inspection data related to the current inspection process. The inspection result processor is configured to transmit the acquired inspection data related to the current inspection process to the remote monitoring device.

[0009a]

In an aspect, the present disclosure refers to an elevator control device communicably connected to a remote monitoring device configured to transmit an inspection instruction for causing an elevator to execute an inspection process every prescribed period from a remote place, the elevator control device comprising:

a data amount storage configured to store information on a previous inspection data amount that is a data amount of inspection data acquired by an inspection process executed previously;

a specification unit configured to specify a type of inspection data to be acquired in a current inspection process on a basis of the previous inspection data amount stored in the data amount storage upon acquiring the inspection instruction transmitted from the remote monitoring device;

an inspection execution unit configured to acquire the type of inspection data specified by the specification unit, execute the current inspection process, and acquire inspection data related to the current inspection process; and

an inspection result processor configured to transmit the acquired inspection data related to the current inspection process to the remote monitoring device.

[0009a]

In an aspect, the present disclosure refers to an elevator inspection processing method executed by an elevator control device communicably connected to a remote monitoring device configured to transmit an inspection instruction for causing an elevator to execute an inspection process every prescribed period from a remote place, the method comprising:

storing, in a data amount storage, information on a previous inspection data amount that is a data amount of inspection data acquired by an inspection process executed previously;

specifying a type of inspection data to be acquired in a current inspection process on a basis of the previous inspection data amount stored in the data amount storage upon acquiring the inspection instruction transmitted from the remote monitoring device;

acquiring the specified type of inspection data, executing the current inspection process, and acquiring inspection data related to the current inspection process; and

transmitting the acquired inspection data related to the current inspection process to the remote monitoring device.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010]

FIG. 1 is a block diagram illustrating a configuration of a monitoring system using an elevator control device according to an embodiment.

FIG. 2A is a flowchart illustrating a first inspection process executed by the elevator control device during an operation of the monitoring system according to the embodiment.

FIG. 2B is a flowchart illustrating second and subsequent inspection processes executed by the elevator control device during the operation of the monitoring system according to the embodiment.