

CONTROL DEVICE AND CONTROL METHOD**[ABSTRACT]**

A control device is provided that controls an inverter to exert an effect of reducing or preventing a frequency fluctuation as specified by prescribed values, even when a
5 change occurs in a specification, a configuration, or an operational situation of a destination device connected to the inverter. A control device (41) that controls an inverter (42) to cause a frequency of an output voltage of the inverter (42) to have a virtual inertial property on active power supplied to a destination device connected to the inverter (42), where the control device (41) comprises a first virtual synchronous generator controller
10 (101) that calculates a frequency deviation by a transfer function based on an oscillation equation for a synchronous generator, using an active power measurement value supplied to the destination device by the inverter (42); a first command value generator (102) that generates a frequency command value of the output voltage of the inverter using the frequency deviation; and a first error correction controller (103) that determines a gain of
15 the transfer function in the first virtual synchronous generator controller (101) using a first error that is a difference between an active power reference value and the active power measurement value, where the active power reference value is active power to be supplied by the inverter (42) to the destination device in a predetermined reference state.

20 Figure 2