CLAIMS

1. An anomaly determination device comprising:

a changeover force measurement unit that measures a changeover force output by a driving device, the driving device outputting a changeover force for switching a direction of a branch rail whose direction is variable;

a voltage measurement unit that measures a voltage supplied to the driving device;

a current measurement unit that measures a current flowing through the driving device; and

an anomaly determination unit that determines whether there is an anomaly in the branch rail, whether there is an anomaly in the driving device, and whether there is an anomaly in power supplied to the driving device on the basis of a magnitude of the changeover force, a magnitude of the voltage, and a magnitude of the current,

wherein the anomaly determination unit determines whether or not there is an anomaly on the basis of: whether at least one of a magnitude of the voltage that temporally changes and a magnitude of the current that temporally changes deviates from a range of normality; or a secular change in at least one of a magnitude of the voltage and a magnitude of the current.

2. The anomaly determination device according to claim 1, further comprising a displacement measurement unit that measures displacements of the branch rails provided on left and right sides of a travel route of a vehicle along the travel route, for the respective left and right branch rails,

wherein the anomaly determination unit determines whether or not there is an

anomaly in the branch rails on the basis of a difference between a displacement of the left branch rail and a displacement of the right branch rail.

3. An anomaly determination method comprising:

measuring a changeover force output by a driving device, the driving device outputting a changeover force for switching a direction of a branch rail whose direction is variable;

measuring a voltage supplied to the driving device;

measuring a current flowing through the driving device; and

determining whether there is an anomaly in the branch rail, whether there is an anomaly in the driving device, and whether there is an anomaly in power supplied to the driving device on the basis of a magnitude of the changeover force, a magnitude of the voltage, and a magnitude of the current,

wherein the determining comprises determining whether or not there is an anomaly on the basis of: whether at least one of a magnitude of the voltage that temporally changes and a magnitude of the current that temporally changes deviates from a range of normality; or a secular change in at least one of a magnitude of the voltage and a magnitude of the current.

4. A program for causing a computer to determine whether there is an anomaly in a branch rail, whether there is an anomaly in a driving device, and whether there is an anomaly in power supplied to the driving device on the basis of a magnitude of a changeover force output by a driving device, the driving device outputting a changeover force for switching a direction of a branch rail whose direction is variable, a magnitude of a voltage supplied to the driving device, and a magnitude of a current

flowing through the driving device,

wherein, in the determining, the program causes the computer to determining whether or not there is an anomaly on the basis of: whether at least one of a magnitude of the voltage that temporally changes and a magnitude of the current that temporally changes deviates from a range of normality; or a secular change in at least one of a magnitude of the voltage and a magnitude of the current.