

WHAT IS CLAIMED IS:

1. A substrate processing apparatus for acquiring and displaying device data, which is generated by the apparatus, the apparatus comprising:

a device-status-monitoring controller that stores, in a storage section, the device data that includes first device data, which is defined by an abnormal-phenomenon-specific information that defines an abnormal event, and second device data, which is not defined by the abnormal-phenomenon-specific information;

an analysis-support controller that acquires the first device data and the second device data from the storage section based on basic information that includes:

the abnormal-phenomenon-specific information; and

recipe-specific information that includes at least a recipe name; and

a display device that displays the first device data and the second device data in a manner that goes back to a past time from a time when a latest recipe specified by the recipe name is executed.

2. The apparatus of Claim 1, wherein a master apparatus includes the first device data and the second device data as standard, and

wherein standard data used for comparison by the device-status-monitoring controller is configured by data obtained from the master apparatus.

3. The apparatus of Claim 2, wherein the standard data is an actual measurement value of the master apparatus including the first device data and the second device data as standard, and the device-status-monitoring controller is configured to determine an abnormality by comparison with the actual measurement value of the master apparatus.

4. The apparatus of Claim 1, wherein the basic information further includes information indicating a time when the abnormal event has occurred, and the analysis-support controller is further configured to display the first device data and the second device data on the display device in a manner that goes back to the past time from a time when an abnormality specified by the basic information has occurred.

5. The apparatus of Claim 1, wherein the first device data is configured to include event information that includes event data indicating information that an alarm has been generated.

6. The apparatus of Claim 5, wherein the analysis-support controller is further configured to display the information of the generated alarm on the display device in the manner that goes back to the past time from the time when the latest recipe specified by the recipe name is executed.

7. The apparatus of Claim 1, wherein the second device data is configured to include:
substrate-processing-specific information that specifies a substrate process executed by the substrate processing apparatus in which abnormal data is generated;
the recipe-specific information that specifies a recipe executed by the substrate processing apparatus at a time when the abnormal data is generated; and
data time information that specifies a time when the abnormal data is generated.

8. A substrate processing apparatus for acquiring and displaying device data, which is generated by the apparatus, the apparatus comprising a device management controller, wherein the device management controller includes:

a device-status-monitoring controller that stores, in a storage section, the device data that includes first device data, which is defined by an abnormal-phenomenon-specific information that defines an abnormal event, and second device data, which is not defined by the abnormal-phenomenon-specific information; and

an analysis-support controller that acquires the first device data and the second device data from the storage section based on basic information that includes:

the abnormal-phenomenon-specific information; and

recipe-specific information that includes at least a recipe name, and

wherein the apparatus further comprises a display device that displays the first device data and the second device data in a manner that goes back to a past time from a time when a latest recipe specified by the recipe name is executed.

9. The apparatus of Claim 8, wherein the device management controller includes the storage section configured to store a device name and an IP address of a master apparatus, and the device management controller is configured to perform communication connection with the master apparatus with the IP address, and then to compare a device name of the master apparatus acquired by the communication connection with the device name of the master apparatus stored in the storage section.

10. The apparatus of Claim 9, wherein the device management controller is configured to acquire a recipe file from the master apparatus when the device names in comparison match each other and copy the recipe file acquired from the master apparatus to create a recipe file of the apparatus.

11. The apparatus of Claim 1, wherein the analysis-support controller acquires the first device data and the second device data from the storage section based on the basic information that includes:

information that defines the abnormal event, at least one of the first device data corresponding to the abnormal event, and step information indicating a step where the at least one of the first device data is generated;

information that specifies a time (abnormality occurrence time) when the abnormal event has occurred; and

the recipe-specific information that includes the recipe name.

12. A device management controller, comprising:

a device-status-monitoring controller that stores, in a storage section, device data generated by an apparatus, the device data including first device data, which is defined by an abnormal-phenomenon-specific information that defines an abnormal event, and second device data, which is not defined by the abnormal-phenomenon-specific information ;

an analysis-support controller that acquires the first device data and the second device data from the storage section based on basic information that includes:

the abnormal-phenomenon specific information; and

recipe-specific information that includes at least a recipe name; and

a display device that displays the first device data and the second device data in a manner that goes back to a past time from a time when a latest recipe specified by the recipe name is executed.

13. A computer-readable recording medium storing a program that causes to perform a process in a device management controller, the process comprising:

storing, in a storage section, device data generated by an apparatus, the device data including first device data, which is defined by an abnormal-phenomenon-specific information that defines an abnormal event, and second device data, which is not defined by the abnormal-phenomenon-specific information;

acquiring the first device data and the second device data based on basic information that includes:

the abnormal-phenomenon-specific information; and

recipe-specific information that includes at least a recipe name; and

displaying the first device data and the second device data in a manner that goes back to a past time from a time when a latest recipe specified by the recipe name is executed.