

Claims

1. An electronic apparatus comprising:

a first boot unit that performs a first boot process for booting a first program;

a boot management unit that performs control of the first boot unit so as not to boot the first program in the first boot process next time when an interruption of the first boot process occurs and the interruption is caused by the first program being booted, and the boot management unit does not perform the control when the interruption is caused by a factor other than the first program; and

a second boot unit that performs a second boot process for booting a second program concurrently with the first boot process,

wherein the boot management unit performs the control for the first program being booted if the second boot process is completed during the interruption, and the boot management unit does not perform the control if the second boot process is not completed during the interruption.

2. The electronic apparatus according to Claim 1,

wherein when the first boot process is interrupted, if a time period taken from a time when the first boot process starts to a time when the interruption occurs is larger than or equal to a threshold, the boot management unit performs the control for the first program being booted during the interruption.

3. The electronic apparatus according to Claim 1 or 2,

wherein when the first boot process is interrupted, if a time period taken from a time when the first boot process starts to a time when the interruption occurs is smaller than a threshold, the boot management unit does not perform the control for the first program being booted during the interruption.

4. The electronic apparatus according to Claim 2 or 3, further comprising:

a connection unit that is connected to an external device; and

a setting acquisition unit that acquires, from the connected external device, setting

information related to a time period taken from when the first boot process starts to when the first boot process is completed,

wherein the boot management unit uses the threshold in accordance with the acquired setting information.

5. The electronic apparatus according to any one of Claims 1 to 4,

wherein if the number of interruptions occurring during booting of the first program is larger than or equal to a threshold, the boot management unit performs the control for the first program.

6. The electronic apparatus according to any one of Claims 1 to 5, further comprising:

an error acquisition unit that acquires error information in accordance with a factor for the interruption when the interruption occurs,

wherein the boot management unit performs the control if at least one of the acquired error information is included in predetermined types.

7. The electronic apparatus according to any one of Claims 1 to 6, further comprising:

an error acquisition unit that acquires error information in accordance with a factor for the interruption when the interruption occurs,

wherein the boot management unit does not perform the control if at least one of the acquired error information is of a type other than predetermined types.

8. The electronic apparatus according to any one of Claims 1 to 7, further comprising:

a second boot unit that performs a second boot process for booting a second program concurrently with the first boot process,

wherein the boot management unit does not perform the control for the first program being booted during the interruption if the interruption is caused by rebooting performed in the second boot process.

9. The electronic apparatus according to any one of Claims 1 to 8, further

comprising:

a connection unit that is connected to an external device,

wherein the boot management unit does not perform the control for the first program being booted during the interruption if the interruption is caused by rebooting based on a request from the connected external device.

10. The electronic apparatus according to any one of Claims 1 to 9, further comprising:

a processing unit that performs a process executing the first program based on a setting determining whether to boot the first program,

wherein the boot management unit does not perform the control for the first program being booted during the interruption if the interruption is caused by rebooting due to the setting being outside a predetermined range or due to a change in the setting.

11. The electronic apparatus according to any one of Claims 1 to 10,

wherein the first boot unit performs a plurality of the first boot processes for sequentially booting a plurality of the first programs, and

wherein the boot management unit controls the first boot unit so as to change a sequence in which the first programs are booted, instead of controlling the first boot unit so as to not to boot the first programs in the first boot processes.

12. An information processing program causing a computer to execute a process for processing information, the process comprising:

performing a first boot process for booting a first program;

performing control so as not to boot the first program in the first boot process next time when an interruption of the first boot process occurs and the interruption is caused by the first program being booted, or not performing the control when the interruption is caused by a factor other than the first program; and

performing a second boot process for booting a second program concurrently with the first boot process,

wherein the boot management unit performs the control for the first program being booted if the second boot process is completed during the interruption, and the boot management unit does not perform the control if the second boot process is not completed

during the interruption.

13. An information processing method comprising:

performing a first boot process for booting a first program;

performing control so as not to boot the first program in the first boot process next time when an interruption of the first boot process occurs and the interruption is caused by the first program being booted, or not performing the control when the interruption is caused by a factor other than the first program; and

performing a second boot process for booting a second program concurrently with the first boot process,

wherein the boot management unit performs the control for the first program being booted if the second boot process is completed during the interruption, and the boot management unit does not perform the control if the second boot process is not completed during the interruption.