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2. I hereby certify that I prepared the foregoing translation of the Patent Application Publication No. 2002-258982 – Publication Date: September 13, Heisei 14 (2002) regarding **NOTEBOOK-TYPE INFORMATION PROCESSING APPARATUS AND THE CONTROL METHOD THEREOF.**

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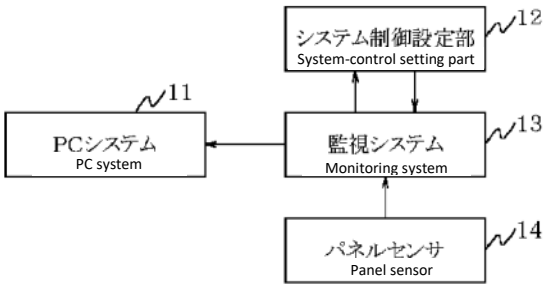
(54) [Title of the invention]

NOTEBOOK-TYPE INFORMATION PROCESSING APPARATUS AND THE CONTROL METHOD THEREOF

(57) ABSTRACT

OBJECTIVE: To improve the usability of a notebook-type personal computer in situations where the user operates the notebook-type personal computer while holding it with his or her hand in the state in which the panel is open.

MEANS FOR RESOLUTION: The top face of the main body 1 is opened or closed with a display panel that is attached to said main body 1 in such a way that the display panel can be rotatable by 360 degrees about the rear side of said main body. The angle of rotation of the display panel as detected by the panel sensor 14 is sent to the monitoring system 13. When the angle as detected by the panel sensor 14 reaches any of the preset rotation angles registered in the system-control setting part 12, the monitoring system 13 instructs that the PC system 11 execute the system control corresponding to the preset rotation angle concerned as registered in the system-control setting part 12. In particular, the system control is pre-registered, in the system-control setting part 12, so as to prohibit input from any devices other than the touch panel (which is disposed on the display panel) when the rotation angle of the display panel is 360 degrees.



WHAT IS CLAIMED IS:

[Claim 1]

A notebook-type information processing apparatus, which is characterized by comprising:

A main body; and

A panel that can rotate by an angle between 0 degrees and 360 degrees centering on a lateral edge of said main body so as to thereby open or close the operation surface of the aforementioned main body.

[Claim 2]

A notebook-type information processing apparatus, which is characterized by comprising:

A main body;

A panel that can rotate by an angle between 0 degrees and 360 degrees centering on a lateral edge of said main body so as to thereby open or close the operation surface of the aforementioned main body;

A closed-state locking mechanism that locks the aforementioned panel in the closed state, i.e., in the state in which said panel's angle of rotation relative to the aforementioned operation surface is 0 degree; and

An inverse-state locking mechanism that locks the panel in the state in which the aforementioned panel's angle of rotation relative to the aforementioned operation surface is 360 degrees.

[Claim 3]

A notebook-type information processing apparatus, which is characterized by comprising:

A main body;

A panel that can rotate by an angle between 0 degrees and 360 degrees centering on a lateral edge of said main body so as to thereby open or close the operation surface of the aforementioned main body; and

Information processing circuits that execute preset system control when said panel's angle of rotation reaches a preset angle that has been arbitrarily set between 0 degrees and 360 degrees.

[Claim 4]

A notebook-type information processing apparatus, which is characterized by comprising:

A main body;

A panel that can rotate by an angle between 0 degrees and 360 degrees centering on a lateral edge of said main body so as to thereby open or close the operation surface of the aforementioned main body; and

Information processing circuits that prohibit input from the aforementioned operation surface when said panel is rotated by 360 degrees from the state in which the operation surface is closed.

[Claim 5]

A notebook-type information processing apparatus, which is characterized by comprising:

A main body;

A panel that can rotate centering on a lateral edge of said main body so as to thereby open or close the operation surface of the aforementioned main body;

A panel sensor that detects said panel's angle of rotation;

A system-control setting part that stores:

One or multiple rotation angle(s) that are preset as said rotation angle(s), and

The system control corresponding to said preset rotation angle(s); and

A monitoring system that causes an information processing circuit to execute the system control when said panel's rotation angle as detected by the aforementioned panel sensor reaches the aforementioned preset angle(s), doing so corresponding to the aforementioned preset angle(s).

[Claim 6]

A notebook-type information processing apparatus, which is characterized by comprising:

A main body;

An intermediate hinge that rotates about a main-body pivot provided on a lateral edge of said main body;

A panel that rotates about a panel pivot, which is provided on said intermediate hinge in parallel to the aforementioned main-body pivot, so as to open or close the operation surface of the aforementioned main body;

A main-body-side sensor that detects the aforementioned intermediate hinge's angle of rotation relative to the aforementioned main body;

A panel-side sensor that detects the aforementioned panel's angle of rotation relative to the aforementioned intermediate hinge; and

A panel sensor that detects the aforementioned panel's angle of rotation relative to the aforementioned main body, doing so by adding the angle detected by the aforementioned panel-side sensor to the angle detected by the aforementioned main-body-side sensor.

[Claim 7]

A notebook-type information processing apparatus, which is characterized by comprising:

A main body;

An intermediate hinge that rotates about a main-body pivot provided on a lateral edge of said main body;

A panel that rotates about a panel pivot, which is provided on said intermediate hinge in parallel to the aforementioned main-body pivot, so as to thereby open or close the operation surface of the aforementioned main body;

A first gear that is affixed to the aforementioned main body so as to share a common axis with the aforementioned main-body pivot;

A second gear that is affixed to the aforementioned panel so as to share a common axis with the aforementioned panel pivot and to mesh with the aforementioned first gear; and

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