

**137a** and the shaft **126a** of the first hinge portion **22** and the shaft **111a** and the shaft **131a** of the second hinge portion **23**. Therefore, when the arm **20** is moved, for example, from the folded state **200** to the raised state **201** as shown in **FIG. 12**, the second hinge portion **23** moves upward as viewed in the figure since the positions of the shaft **126a** and the shaft **137a** in the first hinge portion **22** are fixed with a predetermined spacing maintained therebetween in the X-direction. Then a force causing clockwise rotation as viewed in the figure is applied to the top holding portion **101** of the second hinge portion **23** connected to the front plate **116** and the rear plate **130** connected to the shaft **126a** and the shaft **137a** in the first hinge portion **22**. The top holding portion **101** is thereby rotated clockwise on the shaft **111a** and the shaft **131a**. That is, the arm **20** moves upward as viewed in the figure so that the line connecting the axes of the shaft **111a** and the shaft **131a** and the line connecting the axes of the shaft **126a** and the shaft **137a** are maintained parallel to each other, while the monitor **15** is rotating clockwise. Thus, the angle of the monitor **15** with respect to the viewing point **301** of the user **300** is not substantially changed.

[0057] In the notebook PC **11** according to this embodiment, as described above, the height of the monitor **15** can be adjusted while causing substantially no change in the angle of the monitor **15** with respect to the viewing point **301** of the user **300**. Therefore it is not necessary for the user **300** to adjust the angle of the monitor **15** each time the user **300** changes the height of the monitor **15**, and the user **300** does not feel inconvenience in using the monitor **15**.

[0058] Since the cushioning component **170** and the spring **180** are provided, the height of the monitor **15** can be changed with stability without causing an abrupt change in the angle of the arm **20**. Further, since a force is constantly applied to the arm **20** in the folded state in such a direction as to cause the arm **20** to rise, it is easy for the user **300** to raise the monitor **15** by drawing out the monitor **15**. Also, when the arm **20** is accommodated in the recessed portion **21**, it can be accommodated slowly and stably without causing an impact on the apparatus.

[0059] While in this embodiment the mechanism including the arm **20** and the first and second hinge portions **22** and **23** is applied to the notebook PC **11**, the present invention is not limited to this application. For example, the mechanism can be applied to any other portable computers capable of displaying images.

[0060] In the computer according to this embodiment, the monitor unit **12** may be formed so as to be detachable from the main unit **13**. In such a case, the monitor unit **12** constituted by the monitor **15**, the second hinge portion **23**, the arm **20**, the first hinge portion **22** and the base **150**, which is detached from the main unit **13**, may be set on a receiving base for receiving the monitor unit **12** to be used by being connected to a desktop computer.

[0061] While the exemplary embodiments of the present invention have been described in portion with respect to processes and implementation of circuits and software, the present invention is not so limited. As would be apparent to one skilled in the art, the present invention can also be applied to a device which is connected to a computer, which has a plurality of members connected by an arm and two or more hinges, and in which the position in height the member facing a user can be changed without changing the angle

with respect to the user. For example, the present invention can be applied to a device in which it is preferable to move a member facing a user without causing an abrupt change in angle and a device in which it is difficult to raise a member facing a user from a laid state, more specifically a touch pad and a keyboard used by a user to input data, or any other input device.

[0062] Also, other components may be added or some of the components may be removed in the arrangement described above as an embodiment of the present invention and changes and modifications may be made in the arrangement without departing from the scope of the present invention.

[0063] Unless explicitly stated otherwise, each numerical value and range should be interpreted as being approximate as if the word "about" or "approximately" preceded the value of the value or range. Similarly, the use of the term "substantially equal" should also be interpreted as being approximate, and inclusive of a reasonable error or difference in value as between two values due in portion to a design change, modification, tolerance measurement or manufacturing activity.

[0064] It will be further understood that various changes in the details, materials, and arrangements of the portions which have been described and illustrated in order to explain the nature of this invention may be made by those skilled in the art without departing from the principle and scope of the invention as expressed in the following claims. Although the steps in the following method claims, if any, are recited in a particular sequence with corresponding labeling, unless the claim recitations otherwise imply a particular sequence for implementing some or all of those steps, those steps are not necessarily intended to be limited to being implemented in that particular sequence.

What is claimed is:

1. A computer having a monitor with a display screen, comprising:

a main unit incorporating a controlling means for controlling display on the display screen; and

an arm which connects said monitor and said main unit to each other, said arm including a front plate having a first end rotatably connected to a first pivot of said main unit, and a second end rotatably connected to a second pivot of said monitor, a rear plate having a first end rotatably connected to a third pivot of said main unit, and a second end rotatably connected to a fourth pivot of said monitor, said rear plate being linked to said front plate, and a resilient component provided on at least one of said front plate and said rear plate to apply a rotating force in such a direction that said monitor is moved away from said main unit.

2. The computer according to claim 1, wherein said second pivot and said fourth pivot are located at a lower end of said monitor.

3. The computer according to claim 1, wherein said first pivot and said third pivot are located at an end of said main unit and function as hinges for setting said monitor in a state of either being opened with respect to said main unit or for setting said monitor in a state of being closed with respect to said main unit.