

Thus, according to this modification, the user can input both the updating speed and the updating order of the display data, by bending a particular part in a particular direction. Therefore, the operation required to the user become simple.

FIG. 9 is a front view showing a second modification of the displaying apparatus 100. In this modification, the display controller 140 displays the display data in a display region 116 except for both a space 112 and a space 114. The space 112 is provided at the left side of the display panel 110 and the space 114 is provided at the right side of the display panel 110. In this case, the display controller 140 decides the width of the space 112 based on the quantity of display data, of which orders are previous to the order of the present display data in the display region 116. Also, the display controller 140 decides the width of the space 112 based the data amount of the display data, of which orders are next to the present display data in the display region 116. Thus, the display region 116 is changed according to a location in a display order of the present display data in the all display data. More specifically, both a position of a boundary between the space 112 and the display region 116, and a position of a boundary between the space 114 and the display region 116 are changed according to the location in the display order of the present display data. Therefore, the user can visually recognize the location in the display order of the present display data, based on the display position of the display data in the display panel 110.

In addition, the display controller 140 preferably keeps a total length of the width of the space 112 and the width of the space 114. In this case, the display controller 140 displays the width of the region for displaying the display data, i.e. the width of the display region 116, to be constant without relying on the display order of the display data.

In addition, the display panel 110 displays a plurality of vertical lines in both the space 112 and the space 114. Accordingly, it is possible to provide the image of opening the book for the user. Moreover, the display panel 110 displays a vertical line as a dot line in the middle of the region for displaying the display data, i.e. in the middle of the display region 116. Therefore, it is possible to give the image of opening the book to the user. According to the present invention, it is possible to give the feeling of turning the pages of the book to the user.

Although the present invention has been described by way of exemplary embodiments, it should be understood that those skilled in the art might make many changes and substitutions without departing from the spirit and the scope of the present invention which is defined only by the appended claims.

What is claimed is:

1. A displaying apparatus comprising:

- a frame;
  - a display panel, which is provided on a surface of said frame;
  - a plurality of bend members, each of which is sheet-like, and is stacked each other at an edge of the surface so that each of which is operable to be bended; and
  - a display controller for setting display data to be displayed in said display panel from plurality of the display data, based on which a deformation volume detector is bended;
- wherein said display controller controls an updating speed of the display data displayed in said panel display;
- wherein said bend member is operable to bended at least in two directions,
- said deformation volume detector further detects a bend direction of said bend member, and

said display controller further acquires a plurality of display data, of which display order data is predetermined respectively, makes a decision which parts of said bend member is bended and sets whether each of the display data is updated either in the display order or in an inverse order of the display order, based on the bend direction detected by said deformation volume detector.

2. A displaying apparatus comprising:

- a display panel; and
- a contact portion, including a plane with which an user has a contact; and
- a display controller for setting an update speed of display data that is displayed in said panel display based on a contact position of the user in said contact portion, and updating the display data based on the updating speed that has been set;

wherein said contact portion is operable to bended at least in two directions,

said display controller further acquires a plurality of display data, of which display order data is predetermined respectively, makes a decision which parts of said contact portion is bended and sets whether each of the display data is updated either in the display order or in an inverse order of the display order, based on a detected bend direction.

3. A control method for a display apparatus, comprising steps of:

- detecting a deformation volume of a bend member, which is provided at a vicinity of an outer edge of said display apparatus, and is bended by an external force; and
- controlling display of said displaying apparatus based on the deformation volume that is detected and controlling an updating speed of a display data; and
- detecting a bend direction of said bend member, and
- acquiring a plurality of display data, of which display order data is predetermined respectively, making a decision which parts of said bend member are being bended and setting whether each of the display data is updated either in the display order or in an inverse order of the display order, based on the bend direction detected.

4. A displaying apparatus comprising:

- a frame;
  - a display panel, which is provided on a surface of said frame;
  - a bend member, which is provided at an edge of the surface and bended by an external force;
  - a deformation volume detector for detecting deformation volume at said bend member; and
  - a display controller for controlling display of said display panel;
- wherein said display controller controls an updating speed of display data displayed in said display panel; and
- wherein said bend member is operable to bended at least in two directions,
- said deformation volume detector further detects a bend direction of said bend member, and
- said display controller further acquires a plurality of display data, of which display order data is predetermined respectively, and sets whether each of the display data is updated either in the display order or in an inverse order of the display order, based on the bend direction detected by said deformation volume detector.

5. A displaying apparatus comprising:

- a frame;