SONY DISPLAY MODULE

Publication date: 21.03.2019 – Source WIPO

P A T E N T C L A I M S

1. A display module comprising:

A sheet-shaped display unit having flexibility; a switch unit which switches a display pattern of the display unit; and a control unit which controls the display pattern of the display unit on the basis of a switch control signal from the switch unit, wherein the display unit is electrically connected to the control unit, and the control unit is electrically connected to the switch unit by using a wiring cable.

2. The display module according to claim 1,

Wherein the display unit includes a connecting unit for connecting to another member.

3. The display module according to claim 2,

Wherein the connecting unit includes a plurality of holes, and the other member having an elongated shape is allowed to pass through the holes, so that the other member is connected to the display unit.

4. The display module according to claim 3,

Wherein an area of the display unit in which the other member is the elongated shape allowed to pass through the holes is arranged on a front surface forms a non-display area of which display does not change by control by the control unit.

5. The display module according to claim 1, further comprising:

A sensor which detects a predetermined state, wherein the control unit further controls the display pattern of the display unit on the basis of a sensor signal output by the sensor.

6. The display module according to claim 1, further comprising:

A mode switch unit which switches between a first operation mode for switching the display pattern on the basis of the switch control signal from the switch unit and a second operation mode for switching the display pattern on the basis of a sensor signal.

7. The display module according to claim 2,

Wherein the connecting unit is formed in a display area of the display unit.

8. The display module according to claim 2,

Wherein the display unit includes a display area and a non-display area around the display area, and the connecting unit is formed in the non-display area.

9. The display module according to claim 2,

Wherein the other member is fabric of a bag.

P A T E N T D E S C R I P T I O N

TECHNICAL FIELD

The present technology relates to a display module, and especially relates to a display module which enables the display module capable of improving a design quality of a product to be applied to various types of products.

BACKGROUND ART

The present applicant proposes a product a design quality of which is improved by applying a flexible display module with low power consumption referred to as electronic paper and the like to a bag, a bangle (bracelet), a tie (including a bow tie) and the like (for example, refer to Patent Document 1).

SUMMARY OF THE INVENTION

Problems to be Solved by the Invention: However, for example, bags include many types and shapes such as tote bags, clutch bags, overnight bags, and backpacks, and a cost increases if the display module is designed for each of them. The present technology is achieved in view of such a situation, and an object thereof is to make a display module capable of improving a design quality of a product applicable to various types of products.

Solutions to Problems: A display module according to an aspect of the present technology is provided with a sheet-shaped display unit having flexibility, a switch unit which switches a display pattern of the display unit, and a control unit which controls the display pattern of the display unit on the basis of a switch control signal from the switch unit, in which the display unit is electrically connected to the control unit, and the control unit is electrically connected to the switch unit by using a wiring cable.

According to an aspect of the present technology, a sheet-shaped display unit having flexibility, a switch unit which switches a display pattern of the display unit, and a control unit which controls the display pattern of the display unit on the basis of a switch control signal from the switch unit are provided, in which the display unit is electrically connected to the control unit, and the control unit is electrically connected to the switch unit by using a wiring cable. Then, the display pattern of the display unit is controlled on the basis of the switch control signal from the switch unit. The display module may be an independent device or may be an internal block which forms one device. According to an aspect of the present technology, a display module capable of improving a design quality of a product may be applied to various types of products.