CLAIMS

1. An edge protection structure, configured to protect an edge of a bending region of a display, wherein the edge protection structure comprises a rigid member, a connector, and a soft rubber member, strength of the rigid member is greater than strength of the soft rubber member, the soft rubber member is an elastically deformable member; the soft rubber member comprises a protection part, a first extension part, a second extension part;

the first extension part is connected to a first end of the protection part, the second extension part is connected to a second end of the protection part;

and the connector comprises a first part and a second part connected to the first part, the first part is connected to the protection part, the second part is connected to the rigid member.

2. The edge protection structure according to claim 1, wherein the soft rubber member further comprises two fastening parts, the two fastening parts are respectively connected to two ends of the protection part, wherein the two fastening parts and the protection part are integrated structure.

3. The edge protection structure according to claim 2, wherein the two fastening parts comprises a first fastening part and a second fastening part, a bending angle is formed between the first extension part and the first fastening part, a bending angle is formed between the second extension part and the second fastening part.

4. The edge protection structure according to any one of claims 1 to 3, wherein the first extension part comprises a first contact surface, and the first contact surface is smoothly connected to the protection part, the second extension part comprises a second contact surface, and the second contact surface is smoothly connected to the protection part.

5. The edge protection structure according to claim 4, wherein the first extension part comprises a first fastening surface opposite to the first contact surface, and the first fastening surface is smoothly connected to the protection part;

the second extension part comprises a second fastening surface opposite to the second contact surface, and the second fastening surface is smoothly connected to the protection part.

6. The edge protection structure according to any one of claims 2 to 5, wherein the two fastening parts comprises a first fastening part and a second fastening part, a first rigid plate is embedded in the first fastening part, a second rigid plate is embedded in the second fastening part, wherein the first rigid plate and the second rigid plate are made

of metal materials.

7. A foldable display terminal, comprising a rotating shaft assembly, a display, a first body， a second body, and an edge protection structure, wherein the display comprises a bending region, a first fastening region, and a second fastening region, the bending region of the display is stacked on the rotating shaft assembly, the display comprises a display surface and a side surface intersecting with the display surface, and the display surface is away from the rotating shaft assembly;

the first body, the rotating shaft assembly, and the second body are sequentially connected in a first direction， wherein the first direction is a direction in which the first body points to the second body when the foldable display terminal is in an open state;

the edge protection structure comprises a rigid member, a connector, and a soft rubber member, strength of the rigid member is greater than strength of the soft rubber member, the soft rubber member is an elastically deformable member;

the first body comprises a first border and a first middle plate, the second body comprises a second border and a second middle plate;

the first middle plate is located in a region enclosed by the first border, and is connected to an inner surface of the first border;

the second middle plate is located in a region enclosed by the second border, and is connected to an inner surface of the second border;

the display is stacked on the first middle plate, the second middle plate, and the rotating shaft assembly;

the first fastening region is fastened to the first body;

the second fastening region is fastened to the second body;

in a length extending direction of the rotating shaft assembly， a first gap is provided between a first end of the rotating shaft assembly and the first border， a second gap is provided between the first end of the rotating shaft assembly and the second border;

the soft rubber member comprises a protection part，a first extension part, a second extension part, a first fastening part, and a second fastening part;

the first extension part and the first fastening part connect to a first end of the protection part;

the second extension part and the second fastening part connect to a second end of the protection part;

a bending angle is formed between the first extension part and the first fastening part, a bending angle is formed between the second extension part and the second fastening part;

the first extension part, the protection part, and the second extension part cover part of the edge of the display;

the first fastening part is limited in the first gap, the second fastening part is limited in the second gap;

the connector comprises a first part and a second part connected to the first part, the first part is connected to the protection part, and the second part is connected to the rigid member, the rigid member face a side of the bending region.

8. The foldable display terminal according to claim 7, wherein the foldable display terminal further comprises a first edge protector and a second edge protector; and

wherein the first edge protector covers an edge of the first fastening region， the second edge protector covers an edge of the second fastening region;

the first fastening part is pressed by the first edge protector, and the second fastening part is pressed by the second edge protector.

9. The foldable display terminal according to claim 7,

further comprising a first edge protector and a second edge protector;

the first extension part is located between the first edge protector and the display;

the second extension part is located between the second edge protector and the display.

10. The foldable display terminal according to claims 7 to 9, wherein the first extension part comprises a first contact surface and a first fastening surface, wherein the first fastening surface is opposite to the first contact surface, wherein the first contact surface faces the display;

wherein the second extension part comprises a second contact surface and a second fastening surface, wherein the second fastening surface is opposite to the second contact surface, wherein the second contact surface faces the display.

11. The foldable display terminal according to any one of claims 7 to 10, wherein the first extension part

comprises a first contact surface, the first contact surface faces the display, and the first contact surface is smoothly connected to the protection part; and

the second extension part comprises a second contact surface, the second contact surface faces the display, and the second contact surface is smoothly connected to the protection part.

12. The foldable display terminal according to claim 11, wherein the first extension part comprises a first fastening surface opposite to the first contact surface, and the first fastening surface is smoothly connected to the protection part;

the second extension part comprises a second fastening surface opposite to the second contact surface, and the second fastening surface is smoothly connected to the protection part.

13. The foldable display terminal according to any one of claims 7 to 12, wherein the first extension part, the second extension part, and the protection part are an integrated structure.

14. The foldable display terminal according to any one of claims 7 to 13, wherein the rigid member and the second part of the connector are an integrated structure.

15. The foldable display terminal according to any one of claims 7 to 14, wherein a first rigid plate is embedded in the first fastening part, a second rigid plate is embedded in the second fastening part, wherein the first rigid plate and the second rigid plate are made of metal materials.