CLAIMS

1. A functional mat for assisting deep sleep for an infant, the functional mat comprising:

a mat body configured to support an object in an upward direction, the object being an infant’s body;

a side supporter protruding in a perpendicular direction from a surface of the mat body so as to form an overall shape of a hill, the side supporter configured to support the object in a sideward direction; and

a pressure supporter positioned intersecting or crossing across the mat body along a widthwise direction, the pressure supporter secured to the mat and configured to be placed in close contact with the object,

wherein a center portion of the side supporter protrudes towards a middle of the mat body further than end portions of the side supporter in a parallel direction to the surface of the mat body,

wherein a cushion filling part configured to face the object is installed on the pressure supporter.

2. The functional mat for assisting deep sleep for an infant according to claim 1, wherein the side supporter is installed such that it is detachable with respect to the mat body.

3. The functional mat for assisting deep sleep for an infant according to claim 1, wherein the pressure supporter is installed such that it is detachable with respect to the mat.

4. The functional mat for assisting deep sleep for an infant according to claim 1, wherein the cushion filling part is installed inside of the outer lining of the pressure supporter so as to adjust a position of the cushion filler within the cushion filling part.

5. The functional mat for assisting deep sleep for an infant according to claim 1, wherein a securing means for securing the pressure supporter is installed at a mat edge position or a lower surface position of the side supporter.

6. The functional mat for assisting deep sleep for an infant according to claim 1, wherein one or more fastening holes are installed in the side supporter.

7. The functional mat for assisting deep sleep for an infant according to claim 6, wherein the one or more fastening holes is a hole penetrating through a mat edge side and a lower surface of the side supporter, and wherein a fastener installed on the mat body is inserted into the hole to fasten the mat body and the side supporter.

8. The functional mat for assisting deep sleep for an infant according to claim 7, wherein a connector piece on one side of the pressure supporter is coupled with the fastener to secure the one side of the pressure supporter.

9. The functional mat for assisting deep sleep for an infant according to claim 6, wherein the one or more fastening holes are a hole penetrating through a mat edge side and an opposite side of the side supporter, and wherein a connector piece on one side of the pressure supporter is inserted into the hole and connected to the mat body to secure the one side of the pressure supporter.

10. The functional mat for assisting deep sleep for an infant according to claim 1, wherein one side of the pressure supporter is configured to be positioned over the object and the other side is configured to be positioned under the object with respect to the object during use of the pressure supporter.

11. The functional mat for assisting deep sleep for an infant according to claim 1, wherein the pressure supporter includes a pair of wings, and wherein the pair of wings are configured to be fastened to each other over the object and configured to be placed in close contact with the object during use of the pressure supporter.

12. The functional mat for assisting deep sleep for an infant according to claim 1, wherein the side supporter is installed on the mat body and corresponds to any one of:

a side supporter installed at one side of the mat body;

side supporters installed at both sides of the mat body;

a side supporter installed near a center of the mat body; and

side supporters installed at an upper side, a lower side, a left side, and a right side of the mat body.

13. The functional mat for assisting deep sleep for an infant according to claim 1, wherein an edge at an opposite end of the mat body from a position where the side supporter is installed has a greater height than that of a surface at a center portion of the mat body.