CLAIMS

What is claimed is:

1. A physiotherapy structure, applied to a breast pump (100), characterized by comprising:

a breast pump shield (11) provided with a first side contacting a breast and a second side not contacting the breast;

a physiotherapy unit (12) abutted against or detachably connected to the second side of the breast pump shield (11); and

an electronic control system electrically connected to the physiotherapy unit (12).

2. The physiotherapy structure of claim 1, wherein the breast pump shield (11) comprises a nipple accommodating portion (111) and a flange (112), and two ends of the nipple accommodating portion (111) are provided with openings and are penetrated; the flange (112) is connected to an opening of the nipple accommodating portion (111), and the flange (112) is configured to abut against the breast.

3. The physiotherapy structure of claim 2, wherein the flange (112) is made of a flexible material or at least partially made of the flexible material.

4. The physiotherapy structure of claim 1, wherein the physiotherapy unit (12) comprises at least one of a vibration member, a kneading member, a cold compress member or a warm compress member.

5. A breast pump (100) capable of applying a physiotherapy action to a breast, characterized by comprising:

the physiotherapy structure of any one of claims 2 to 4;

a host (30) comprising a housing (31), wherein the housing (31) is connected to the second side of the breast pump shield (11) or at least partially connected to the breast pump shield (11);

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the physiotherapy unit (12) is provided on a surface of the housing (31) towards the breast pump shield (11), and the physiotherapy unit (12) is configured to apply the physiotherapy action to the breast through the breast pump shield (11);

a negative pressure assembly (32) at least partially provided in the housing (31); and

a milk storage assembly (20) communicated with the breast pump shield (11);

wherein the electronic control system is electrically connected to the negative pressure assembly (32).

6. The breast pump (100) of claim 5, wherein the physiotherapy unit (12) comprises a vibration motor (121) configured to vibratingly massage the breast.

7. The breast pump (100) of claim 6, wherein a plurality of vibration motors (121) are provided, and the plurality of the vibration motors (121) are provided at intervals along a circumferential direction of the flange (112) or the plurality of the vibration motors (121) are scatterly distributed with the flange (112) as a center.

8. The breast pump (100) of claim 6, wherein the vibration motor (121) is protruded from one surface of the host (30) towards the breast pump shield (11), and one surface of the flange (112) towards the host (30) is provided with a recessed groove (113); a recessed direction of the recessed groove (113) is away from the host (30), and the vibration motor (121) is at least partially accommodated in the recessed groove (113); and

at least a bottom of the recessed groove (113) and/or at least a sidewall of the recessed groove (113) are made of the flexible material, and the vibration motor (121) is abutted against the bottom of the recessed groove (113); the sidewall of the recessed groove (113) is sleeved on at least a part of a structure of the vibration motor (121), and one side surface of the flange (112) near the breast is flat.

9. The breast pump (100) of claim 8, wherein the flange (112) comprises a flange main body (1122), and the recessed groove (113) is integrated or detachably fixed on the flange main body (1122).

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10. The breast pump (100) of claim 9, wherein the flange main body (1122) is made of a rigid material, and at least part of the recessed groove (113) is made of the flexible material and integrated on the flange main body (1122); or

the flange main body (1122) and the recessed groove (113) are integrated, and are made of the flexible material or a semi-flexible material.

11. The breast pump (100) of any one of claims 5 to 10, further comprising:

a power supply system (50) electrically connected to the negative pressure assembly (32) and the physiotherapy structure and configured to provide a power to the negative pressure assembly (32) and the physiotherapy structure.

12. A breast pumping brassiere (1000), characterized by comprising:

a bra main body (200) comprising a shoulder strap and a shield body; and

the breast pump (100) of any one of claims 5 to 11;

wherein the breast pump (100) is provided in the shield body, and the breast pump shield (11) of the breast pump (100) is fitted with the breast.

13. A breast pump shield (11), applied in a breast pump device or a breast massage device to be fitted with the breast, characterized by comprising:

a flange (112);

a nipple accommodating portion (111); and

an elastic deformation structure (1121);

wherein the flange (112) is configured to fit with the breast, and the nipple accommodating portion (111) is configured for accommodating nipples; the flange (112) is communicated with the nipple accommodating portion (111), and the elastic deformation structure (1121) is integrated with or detachably connected with the breast pump shield (11).

14. The breast pump shield (11) of claim 13, wherein the elastic deformation structure (1121) is provided at a connection between the flange (112) and the nipple accommodating portion (111).

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15. The breast pump shield (11) of claim 14, wherein the elastic deformation structure (1121) is provided below a midline of the nipple accommodating portion (111).

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