

CLAIMS

1. A massage apparatus comprising:

a support frame including an upright base wall that has opposite inner and outer surfaces;

5 a moving unit including

two upright guide rails that are mounted to one of said inner and outer surfaces of said base wall of said support frame,

10 a support seat that includes two slide members engaging respectively and slidably said guide rails, and

a driving member that is disposed at an inner side of said inner surface of said base wall of said support frame for driving the slide movement of said support seat; and

15 a massage unit disposed at an outer side of said outer surface of said base wall of said support frame, connected to said support seat, and including a motor, a driving shaft that is driven rotatably by said motor, and a massage head that is coupled co-rotatably to said driving shaft;

wherein:

25 said guide rails of said moving unit are mounted to said outer surface of said base wall of said support frame;

said support seat of said moving unit is disposed at the outer side of said outer surface of said base

wall of said support frame and between said base wall and said massage unit, and further includes

a main seat wall parallel to said base wall of said support frame, and

5 a connecting seat wall connected perpendicularly and fixedly to said main seat wall, and connected fixedly to said massage unit;

said base wall of said support frame further has an upright elongated groove extending through said
10 inner and outer surfaces of said base wall;

said moving unit further includes

a threaded shaft disposed at the inner side of said inner surface of said base wall of said support frame, and driven rotatably by said driving member,

15 a threaded sleeve drivingly engaging said threaded shaft, and

a guide member extending through said elongated groove and interconnecting said threaded sleeve and said main seat wall of said support seat
20 such that said support seat is co-movable with said threaded sleeve;

said support frame further includes a protect cover connected fixedly to said outer surface of said base wall, cooperating with said base wall to define
25 an inner space therebetween, and formed with a guide groove;

said connecting seat wall of said support seat

extends through said guide groove; and

said guide rails and said support seat are disposed within said inner space.

5 2. A massage apparatus comprising:

a support frame including an upright base wall that has opposite inner and outer surfaces;

a moving unit including

10 two upright guide rails that are mounted to one of said inner and outer surfaces of said base wall of said support frame,

a support seat that includes two slide members engaging respectively and slidably said guide rails, and

15 a driving member that is disposed at an inner side of said inner surface of said base wall of said support frame for driving the slide movement of said support seat; and

20 a massage unit disposed at an outer side of said outer surface of said base wall of said support frame, connected to said support seat, and including a motor, a driving shaft that is driven rotatably by said motor, and a massage head that is coupled co-rotatably to said driving shaft;

25 wherein:

said base wall of said support frame further has an upright elongated groove extending through said

inner and outer surfaces of said base wall;

said guide rails of said moving unit are mounted to said inner surface of said base wall of said support frame;

5 said support seat of said moving unit is disposed at the inner side of said inner surface of said base wall of said support frame, and further includes

 a main seat wall, and

 a connecting seat wall connected
10 perpendicularly and fixedly to said main seat wall, extending through said elongated groove, and connected fixedly to said massage unit; and

 said main seat wall of said support seat has a stepped cross-section, said main seat wall further
15 having a middle portion, and two connecting portions that are connected respectively to opposite ends of said middle portion and that are mounted respectively with said slide members, a distance between said base wall and said middle portion of said main seat wall
20 being shorter than that between said base wall and any one of said connecting portions of said main seat wall.

3. The massage apparatus as claimed in claim 2, wherein said moving unit further includes:

25 a threaded shaft disposed at the inner side of said inner surface of said base wall of said support frame, and driven rotatably by said driving member; and

a threaded sleeve connected fixedly to said main seat wall of said support seat, and drivingly engaging said threaded shaft.

5 4. The massage apparatus as claimed in claim 1, wherein said massage unit further includes a housing enclosing said motor therein.

10 5. The massage apparatus as claimed in claim 4, wherein said massage unit further includes a shell covering said housing, and having a fixing end portion that is disposed between said motor and said massage head and that is connected fixedly to said housing, and an enlarged end portion that is opposite to said fixing end portion, and that is adjacent to said base wall, a diameter of said shell increasing gradually from said fixing end portion to said enlarged end portion.

20 6. The massage apparatus as claimed in claim 5, wherein said massage unit further includes a protect sleeve having an end that is connected fixedly to said fixing end portion of said shell, and an opposite end that abuts against said massage head.

25 7. The massage apparatus as claimed in claim 2, wherein said massage unit further includes a housing enclosing said motor therein.

8. The massage apparatus as claimed in claim 7, wherein said massage unit further includes a shell covering said housing, and having a fixing end portion that is disposed between said motor and said massage head and that is connected fixedly to said housing, and an enlarged end portion that is opposite to said fixing end portion, and that is adjacent to said base wall, a diameter of said shell increasing gradually from said fixing end portion to said enlarged end portion.

9. The massage apparatus as claimed in claim 8, wherein said massage unit further includes a protect sleeve having an end that is connected fixedly to said fixing end portion of said shell, and an opposite end that abuts against said massage head.