

CLAIMS

1. A massage machine comprising: a pair of left and right massage members provided so as to hold a treatment region; a rotating shaft provided so as to laterally penetrate the left and right massage members; a drive unit for rotationally driving the rotating shaft; and a conversion part for converting a rotating force of the rotating shaft to a massage operation caused by the massage members, wherein

a horizontal movement mechanism is provided for causing at least one of the pair of left and right massage members to move in a horizontal direction along the rotating shaft by rotating the rotating shaft; and at least one of the pair of left and right massage members is configured so as to fix an interval between the massage members and is fixed at two positions which are positioned at one side or the other side of the rotating shaft,

the conversion part comprises:

a movable and rotational boss part that is movable along a direction of the shaft center of the rotating shaft in a predetermined range on the rotating shaft and having an endless cam surface, tilted with respect to the rotating shaft, formed on a circumference;

an annular fitting part formed at a proximal end of each of the massage members and slidably fitted to the circumference of the movable and rotational boss part; and

a regulating part for regulating the annular fitting part from co-rotating with respect to the movable and rotational boss part,

the horizontal movement mechanism comprises: a screw thread part formed on the rotating shaft; and the movable and rotational boss part having a helical internal tooth screwed

on the screw thread part formed on an inner circumferential surface in a middle part,

the movable and rotational boss part is configured so as to integrally rotate with the rotating shaft upon reaching one end or the other end of the screw thread part.

2. The massage machine according to claim 1, wherein the conversion part comprises:

a fixed and rotational boss part fixed so as to integrally rotate with respect to the rotating shaft and having an endless cam surface, tilted with respect to the rotating shaft, formed on a circumference;

an annular fitting part formed at a proximal end of each of the massage members and slidably fitted to the circumference of the fixed and rotating boss part; and

a regulating part for regulating the annular fitting part from co-rotating with respect to the fixed and rotating boss part.

3. The massage machine according to claim 1, wherein the screw thread part of the horizontal movement mechanism is formed on each of the both end sides in the left and right direction of the rotating shaft and wherein the screw thread part on one side and the screw thread part on the other side are made in an inverse screw relationship.

4. The massage machine according to any one of claims 1 to 3, wherein a pressing member is placed between the pair of left and right massage members, wherein the pressing member is configured to cover the rotating shaft and the pressing member is configured so as to expand and contract in the horizontal

direction with movement of the movable and rotational boss part.