Claims

1. A massage device comprising:

a housing;

two massage head assemblies extending from the housing and disposed oppositely; and

a driving assembly disposed in the housing for driving the two massage head assemblies,

wherein

the two massage head assemblies relatively oscillate under a driving action of the driving assembly to form a kneading massage,

when the two massage head assemblies oscillate towards each other, an inner side of each massage head assembly close to the other massage head assembly forms an angle α with a surface of the housing, and the angle α is in a range of $\alpha \leq 54°$,

when the two massage head assemblies oscillate away from each other, an outer side of each massage head assembly away from the other massage head assembly forms an angle β with the surface of the housing, and the angle β is in a range of $\beta \geq 23°$;

wherein the drive assembly comprises a drive motor and two eccentric wheel assemblies driven by the drive motor to oscillate the two massage head assemblies, respectively, and guiding seats are provided in the housing and disposed on both sides of each eccentric wheel assemblies, each of the guiding seats is provided with a guiding groove opening toward the eccentric wheel assembly, and positioning posts are respectively provided on both sides of each eccentric wheel assembly being extendable and slidable in the guiding groove..

2. The massage device according to claim 1, wherein a height H1 is a distance from a lowest point of the inner side of each massaging head assemblies close to the other massaging head assembly to a highest point of the surface of the housing, when the two massage head assemblies oscillate toward each other, and the height H1 is in a range of $H1 \leq 10$ mm; and

a height H2 is a distance from a lowest point of the outer side of each massaging head assemblies away from the other massaging head assembly to a highest point of the surface of the housing, when the two massage head assemblies are oscillated away from each other, and the height H2 is in a range of $H2 \geq 15$mm.

3. The massage device according to claim 1, wherein the drive assembly further comprises a transmission assembly and a transmission shaft, the transmission assembly comprises a first gear driven by the drive motor and a second gear engaged with the first gear, the two eccentric wheel assemblies are respectively located at two ends of the transmission shaft, and the second gear is sleeved on the transmission shaft and located at an inner side of one of the two eccentric assemblies.

4. The massage device according to any one of claims 1 to 3, wherein the housing is provided with mounting openings for each massage head assembly, and each mounting openings is provided with an auxiliary cover disposed on the massage head assembly and being movable with the massage head assembly, the auxiliary cover is configured to cover a gap between the massage head assemblies and the mounting openings.

5. The massage device according to claim 4, wherein a housing portion of the edge of the mounting opening is upwardly convex in a first spherical shape, the auxiliary cover is upwardly convex in a second spherical shape, the center of the first spherical shape coincides with the center of the second spherical surface.

6. The massage device according to claim 4, wherein the massage head assembly comprises a driving bracket coupled to the drive assembly, a massage head holder fixed to the driving bracket, and a massage head disposed on the massage head holder, wherein the middle of the auxiliary cover has a through hole, the driving bracket is disposed through the through hole, and an outer edge of the auxiliary cover extends into the inner side of the mounting opening.

7. The massage device according to claim 4, wherein a soft rubber sleeve is disposed at the mounting opening, and a positioning ring is disposed at the opening of the soft rubber sleeve, and the massage head assembly passes through the soft rubber sleeve and the positioning ring.

8. The massage device according to claim 7, wherein the soft rubber sleeve is pleated to form an annular projection, and the positioning ring is fixed to the annular projection.

9. The massage device according to claim 7, wherein the housing is sleeved with a

silicone protective sleeve, and the soft rubber sleeve is integrally formed with the silicone protective sleeve.

10. The massage device according to claim 6, wherein the plurality of massage heads comprise a first massage head, a second massage head, a third massage head, a fourth a massage head and a fifth massage head arranged in sequence along the edge of the massage head holder, with reference to a horizontal center line of the third massage head when the massage head holder is longitudinally placed,

an angle between a line at the center of the first massage head and the center of the third massage head and the horizontal center line is α, and the angle α ranges from 55° to 75°,

an angle between a line at the center of the second massage head and the center of the third massage head and the horizontal center line is β, and the angle β ranges from 70° to 90°,

an angle between a line at the center of the fourth massage head and the center of the third massage head and the horizontal center line is γ, and the angle γ ranges from 55° to 75°, and

an angle between a line at the center of the fifth massage head and the center of the third massage head and the horizontal center line is θ, and the angle θ ranges from 35° to 55°.

11. The massage device according to claim 10, wherein the angle α is 62°, the angle β is 80°, the angle γ is 68° and the angle θ is 47°.

12. The massage device according to claim 10, wherein the first massage head, the second massage head, the third massage head, the fourth massage head and the fifth massage have different heights.

13. The massage device according to claim 12, wherein the third massage head has the largest height value, the first massage head, the second massage head and the fourth massage head have a same height value second to the height value of the third massage head, and the fifth massage head has the smallest height value.

14. The massage device according to claim 10, wherein the massage head holder comprises a plastic bottom plate and five plastic protrusions disposed on the plastic bottom plate and spaced apart from each other, wherein the plastic bottom plate is cover with a silicone bottom cover, and the silicone bottom cover are provided with five silicone massage

contacts respectively sleeved on the five plastic protrusions, and

the five plastic protrusions combined with the five silicone massage contacts respectively form the first massage head, the second massage head, the third massage head, the fourth massage head and the fifth massage head.

15. The massage device according to any one of claims 10 to 14, wherein a distance between the first massage head and the second massage head is L1, a distance between the second massage head and the third massage head is L2, a distance between the third massage head and the fourth massage head is L3, and a distance between the fourth massage head and the fifth massage head is L4, where L1>L4>L2=L3.

16. The massage device according to claim 10 or 11, wherein the plurality of massage heads further comprise a heating massage head disposed in a middle portion of the massage head holder,

the heating massage head including a massage contact having a receiving chamber, a flexible heating piece attached along the inner wall of the receiving chamber, a wire electrically connected to the flexible heating piece, a pressing post extending into the receiving chamber to press the flexible heating piece, and a bottom plate disposed at the bottom of the pressing post and located at the outer side of the receiving chamber for fixing,

the pressing post has a hollow structure and penetrates with the bottom plate, and the wire passes through the pressing post and the bottom plate and electrically connected with a control circuit.

17. The massage device according to claim 16, wherein the flexible heating piece comprises an inner heating portion in the center and a plurality of outer heating portions uniformly disposed along an edge of the inner heating portion, and an interval being arranged between two adjacent outer heating portions.