CLAIMS

What is claimed is:

1. A liquid transfer unit for an atomization core, wherein the liquid transfer unit is formed by stacking multiple layers of liquid transfer cloth (21), at least one side of at least one layer of liquid transfer cloth (21) has grains, such that at least two adjacent layers of liquid transfer cloth (21) are not completely attached to each other to form micro-grooves (22), and the micro-grooves (22) are connected to form a liquid chamber;

wherein the grains are linear and continuous recesses or protrusions on the surface of the liquid transfer cloth (21); and

wherein, among the multiple layers of liquid transfer cloth (21), an outer surface of at least one outermost layer of the liquid transfer cloth (21) is provided with the grains, for a heating unit to be inlaid therein.

2. The liquid transfer unit for an atomization core according to Claim 1, wherein the grains on adjacent sides of the at least two adjacent layers of liquid transfer cloth (21) are staggered to form the micro-grooves (22).

3. The liquid transfer unit for an atomization core according to Claim 1, wherein a side without grains of one layer of liquid transfer cloth (21) is attached to a side with grains of the other layer of liquid transfer cloth (21) to form the micro-grooves (22).

4.The liquid transfer unit for an atomization core according to Claim 1, wherein the multiple layers of liquid transfer cloth (21) comprise at least two layers of vertical-grain liquid transfer cloth (211), or comprise at least two layers of horizontal-grain liquid transfer cloth (212), or comprise at least one layer of vertical-grain liquid transfer cloth (211) and at least one layer of horizontal-grain liquid transfer cloth (212);

wherein when comprising vertical-grain liquid transfer cloth (211), the vertical-grain liquid transfer cloth (211) has grains which are configured vertically on the whole, such that micro-grooves (22) which are vertical on the whole are formed; and when comprising horizontal-grain liquid transfer cloth (212), the horizontal-grain liquid transfer cloth (212) has grains which are

configured horizontally on the whole, such that micro-grooves (22) which are horizontally on the whole are formed.

5. The liquid transfer unit for an atomization core according to Claim 4, wherein the liquid transfer unit is formed by 2-8 layers of liquid transfer cloth (21), and the micro-grooves (22) on the different layers of liquid transfer cloth (21) are at least partially staggered on a radial direction.

6. The liquid transfer unit for an atomization core according to Claim 1, wherein the grains of the liquid transfer cloth (21) are in a same direction and arranged regularly, or the grains of the liquid transfer cloth (21) are in a same direction on the whole.

7. The liquid transfer unit for an atomization core according to Claim 1, wherein a height of the micro-grooves (22) is within 0.1 mm.

8.The liquid transfer unit for an atomization core according to Claim 1, wherein the liquid transfer unit (2) is a cylindrical structure or a platelike structure.

9.A heating atomization core, comprising the liquid transfer unit (2) according to Claims 1-8, and a heating unit (3) attached to the liquid transfer unit (2), wherein the heating unit (3) is connected to electrode leads (4).

10. The heating atomization core according to Claim 9, wherein the heating atomization core further comprises an atomization core housing (1), the liquid transfer unit (2) is arranged in the atomization core housing (1), a fixing member (5) for fixing the electrode leads (4) is arranged in the atomization core housing (1) below the liquid transfer unit (2), and an air inlet (51) is formed in the fixing member (5).

11. The heating atomization core according to Claim 9, wherein a heating wire of the heating unit (3) is correspondingly inlaid in the concave grains or between adjacent convex grains of the liquid transfer unit (2).

12. The heating atomization core according to Claim 11, wherein an area of the heating unit (3) inlaid in the liquid transfer unit (2) accounts for 1/3-2/3 of an area of the heating wire of the heating unit (3).

13. The heating atomization core according to Claim 9, wherein a diameter of the heating wire of the heating unit (3) is greater than 0.2 mm, and an extension direction of the heating wire of the heating unit (3) is identical with a direction of the grains of the liquid transfer unit (2) on the whole.

14. The heating atomization core according to Claim 9, wherein a diameter of the heating wire of the heating unit (3) is less than 0.15 mm, and an extension direction of the heating wire of the heating unit (3) is not identical with a direction of the grains of the liquid transfer unit (2) on the whole.