ABSTRACT

Disclosed are an atomization heating assembly and an atomization heating device using the same. The atomization heating assembly includes a porous liquid transfer unit and a magnetically conductive porous heating unit. The porous liquid transfer unit is configured as a porous structure with micron-sized pores formed by high-temperature sintering of an inorganic non-metallic aggregate and a binder, the magnetically conductive porous heating unit is configured as a magnetically conductive porous structure formed by direct high-temperature sintering of magnetically conductive material particles or by high-temperature sintering of the magnetically conductive material particles and the binder, the magnetically conductive porous heating unit is at least inlaid in or attached to a surface of the porous liquid transfer unit, and an exposed surface of the magnetically conductive porous heating unit located in an atomization passage forms an atomization surface. The atomization heating assembly adopts an electromagnetic heating mode, thereby simplifying the structure of atomizers and reducing the cost of the atomizers.

~~An atomizing heating assembly and an atomizing heating device therefor. The atomizing heating assembly comprises a porous liquid conducting body (100) and a porous magnetic conductive heating body (200), wherein the porous liquid conducting body (100) is a porous structure having micron-scale holes formed by high-temperature sintering of an inorganic non-metallic aggregate and a binder; the porous magnetic conductive heating body (200) is a porous magnetic conductive structure formed by direct high-temperature sintering of particles of a magnetic conductive material or by high-temperature sintering of particles of a magnetic conductive material in combination with a binder; and the porous magnetic conductive heating body (200) is at least embedded in or attached to a surface of the porous liquid conducting body (100), and an exposed surface of the porous magnetic conductive heating body (200) located in an atomizing channel forms an atomizing surface (21). The atomizing heating assembly uses an electromagnetic heating mode, such that an atomizer has a simple structure and low cost.~~

<Figure 1>