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.

<Figure 1>