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ABSTRACT

An ion source vaporizer comprises a hollow vaporizer main body, a heater, and a nozzle. The hollow vaporizer main body has an opening portion. The heater is installed outside the
5 vaporizer main body and evaporates a solid sample within the vaporizer main body. The nozzle feeds a vapor produced within the vaporizer main body into an arc chamber. The ion source vaporizer further comprises a crucible for filling the solid sample which is provided within a cavity of the vaporizer main
10 body, and a pressing unit for pressing a crucible bottom against a cavity bottom of the vaporizer main body. One end of the nozzle is screwed with an upper part of the crucible.