

Abstract**Electron beam vaporizer and method for vaporizing a vaporization material by means of an electron beam**

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According to various embodiments, a method (300) for vaporizing a vaporization material by means of an electron beam may include the following: generating a first deflection pattern having a first power density at least on an end face of a rod-shaped vaporization material (310); and, subsequently, generating a second deflection pattern having a second power density on a portion of an outer edge of the rod-shaped vaporization material and a portion of an inner edge of a ring crucible, which encloses the rod-shaped vaporization material, wherein the second power density is greater than the first power density (320).

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Figure 2A