

Title (en)
SONOTRODE FOR ULTRASONIC ATOMIZATION OF METALS AND THEIR ALLOYS

Title (de)
SONOTRODE ZUR ULTRASCHALLZERSTÄUBUNG VON METALLEN UND DEREN LEGIERUNGEN

Title (fr)
SONOTRODE POUR ATOMISATION ULTRASONIQUE DE MÉTAUX ET DE LEURS ALLIAGES

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Abstract (en)
The invention relates to a sonotrode for high-temperature application in ultrasonic atomization of metals and their alloys, characterized in that it includes: a body (1) made of a material having a thermal conductivity greater than $150 \text{ W / m}^{\text{K}}$, and a core (2), constituting a high-temperature tip of the sonotrode, made of a material having a melting point or thermal decomposition temperature of at least 1200°C , wherein the body (2) and the core (1) are connected mechanically or by diffusion or by both methods combined.

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Citation (search report)

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