

Title (en)  
LIQUID METAL ION SOURCE

Title (de)  
Flüssigmetallionenquelle

Title (fr)  
SOURCE D'IONS DE METAUX LIQUIDES

Publication  
**EP 0769202 B1 19990428 (FR)**

Application  
**EP 95920933 A 19950706**

Priority  
• FR 9500903 W 19950706  
• FR 9408395 A 19940707

Abstract (en)  
[origin: WO9602065A1] A liquid metal ion source including a cylindrical rod (10, 35) made of a refractory conductive material and a refractory needle (12, 13; 37, 39) extending from the end of said rod and intended to be covered with a liquid filler metal, wherein the cylindrical rod/needle assembly extends through a container (14, 15) made of conductive material, the region (19, 33) where the rod is inserted into the container forms an electrical contact between said rod and said container, and the container is in contact with a conductive filament (16), such that the cylindrical rod, the container and the filament are electrically connected in series.

IPC 1-7  
**H01J 27/26**; H01J 37/22; H01J 27/22

IPC 8 full level  
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