

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
H01J 27/22 (2006.01); **H01J 27/26** (2006.01); **H01J 37/08** (2006.01)

CPC (source: EP US)
H01J 27/22 (2013.01 - EP US); **H01J 27/26** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9602065 A1 19960125; DE 69509390 D1 19990602; DE 69509390 T2 19991118; EP 0769202 A1 19970423; EP 0769202 B1 19990428; FR 2722333 A1 19960112; FR 2722333 B1 19960913; JP H10506497 A 19980623; US 5936251 A 19990810

DOCDB simple family (application)
FR 9500903 W 19950706; DE 69509390 T 19950706; EP 95920933 A 19950706; FR 9408395 A 19940707; JP 50415496 A 19950706; US 76587397 A 19970418