

Title (en)

Device for atomizing liquid metals for powder production.

Title (de)

Vorrichtung zum Zerstäuben von geschmolzenen Metallen zur Pulverherstellung.

Title (fr)

Installation pour atomiser du métal fondu pour la production de poudre.

Publication

EP 0520442 A2 19921230 (EN)

Application

EP 92110712 A 19920625

Priority

IT RM910470 A 19910627

Abstract (en)

Device (1) for atomizing liquid metals complete with a hollow element (3), having a longitudinal symmetry axis, in which liquid metal flows towards an outlet section, and with a symmetrical cylindrical chamber (5,7) enclosing said hollow element (3) and having the same longitudinal symmetry axis, in which the outlet section of the metal of the hollow element (3) is set below outlet sections from the gas atomization chamber (5,7) from which, in turn, the gas flows concentrically in annular conduits (8,10) of the chamber (5,7) thus providing both an energetic breaking action, intersecting the fluid stream in hollow cone form with the vertex of said axis of symmetry pointed towards the outside, and also an effective containing action, being projected parallel to the whole periphery of the fluid stream. <IMAGE>

IPC 1-7

B22F 9/08

IPC 8 full level

B22F 9/08 (2006.01)

CPC (source: EP)

B22F 9/082 (2013.01); **B22F 2009/088** (2013.01)

Cited by

CN106180739A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0520442 A2 19921230; EP 0520442 A3 19930804; IT 1249635 B 19950309; IT RM910470 A0 19910627; IT RM910470 A1 19921227

DOCDB simple family (application)

EP 92110712 A 19920625; IT RM910470 A 19910627