

Title (en)

A device for manufacture of a metal granulate in the form of small "needles".

Title (de)

Vorrichtung zur Herstellung von nadelförmigem Metallgranulat.

Title (fr)

Appareil pour la préparation de granules métalliques aciculaires.

Publication

EP 0293349 A1 19881130 (EN)

Application

EP 88850143 A 19880426

Priority

NO 871736 A 19870427

Abstract (en)

A device for manufacture of a metal granulate in the form of "needles" by rapid solidification, comprising a rotatable, cylindrical crucible (1) with vertical axis of rotation and small apertures in the wall, and means for supply of melt from above and down into the crucible, wherein a supply tube (2) for the melt is provided vertically above the crucible (1) and can be connected to a furnace. The crucible is fastened to a sleeve (5) which surrounds the supply tube and defines a space around the tube, and the sleeve is journaled for rotation together with the crucible, and means (7,11) are provided for sealing the sleeve (5) against admission of air. Through the means (11) providing sealing at the upper end of the sleeve (5) extends at least one passageway for supply of an inert gas into the space.

IPC 1-7

B22F 9/10

IPC 8 full level

B22F 1/062 (2022.01); **B22F 9/10** (2006.01)

CPC (source: EP US)

B22F 1/062 (2022.01 - EP US); **B22F 9/10** (2013.01 - EP US)

Citation (search report)

- [Y] DE 2654956 A1 19770707 - KALUSCHSKOE PROIZV OB CHLORVIN [SU], et al
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 63 (M-200)[1208], 16th March 1983; & JP-A-57 207 102 (NIHON ATOMAIZU KAKOU K.K.) 18-12-1982

Cited by

RU2723870C1

Designated contracting state (EPC)

DE GB SE

DOCDB simple family (publication)

EP 0293349 A1 19881130; **EP 0293349 B1 19921209**; DE 3876499 D1 19930121; DE 3876499 T2 19930415; NO 164341 B 19900618; NO 164341 C 19900926; NO 871736 D0 19870427; NO 871736 L 19881028

DOCDB simple family (application)

EP 88850143 A 19880426; DE 3876499 T 19880426; NO 871736 A 19870427