

Title (en)

Process and apparatus for preparing metal powder in a container by atomising molten metal

Title (de)

Einrichtung und Verfahren zur Herstellung von Metallpulver in Kapseln durch Verdüsung von Schmelzen

Title (fr)

Procédé et installation de préparation de poudre métallique dans un conteneur par pulvérisation de métal fondu

Publication

EP 1008407 B1 20050817 (DE)

Application

EP 99890354 A 19991104

Priority

AT 206698 A 19981209

Abstract (en)

[origin: EP1008407A2] Metal atomization equipment comprises a sloping atomizing chamber (3) which delivers powder, via a riser tube (5), a disintegrator (6), a separator (7) and a collection vessel (8), to an encapsulation unit (9). Metal powder atomization equipment comprises an atomizing chamber (3) which slopes downwards from a metallurgical vessel (2) to a diversion component (4) for directing the powder into a riser tube (5) connected to a disintegrator (6). The disintegrator (6) is connected by a diversion valve (61) to a separator (7) connected to a collection vessel (8) which itself can be connected by a shut-off valve (81) to a containerization unit (9) or a container. An Independent claim is also included for metal powder production using the above equipment.

IPC 1-7

B22F 9/08

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN108247074A; DE102013105371A1; DE102013105371B4; US2022097132A1; DE102011111365A1; WO2013029589A1; EP3590634A2

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