

Title (en)

DEVICE FOR THE MANUFACTURING OF SPHERICAL METAL POWDERS BY AN ULTRASONIC ATOMIZATION METHOD

Title (de)

VORRICHTUNG ZUR HERSTELLUNG VON KUGELFÖRMIGEN METALLPULVERN MITTELS ULTRASCHALLZERSTÄUBUNGSVERFAHREN

Title (fr)

DISPOSITIF POUR LA FABRICATION DE POUDRES MÉTALLIQUES SPHÉRIQUES PAR UN PROCÉDÉ D'ATOMISATION PAR ULTRASONS

Publication

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Application

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Abstract (en)

[origin: WO2019092641A1] The subject of the present invention is a device for the manufacturing of spherical metal powders by the ultrasonic atomization method, equipped with a melting system (3,4) and an input material delivery system (6), a working chamber (12), a piezoelectric transducer (10) and a cooled infusible sonotrode (2) made of a material with thermal conductivity above 100 W/mK and equipped with a melting tip (1), with the sonotrode (2) acting as a radiator and the melting tip (1) ensuring good wettability by the liquid input material.

IPC 8 full level

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See references of WO 2019092641A1

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