

Title (en)

PROCESS FOR THE ATOMISATION OF MOLTEN METAL TO PRODUCE METAL POWDERS

Publication

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Application

EP 91118026 A 19911023

Priority

- DE 4036670 A 19901117
- DE 4105154 A 19910220

Abstract (en)

[origin: EP0486830A2] The invention describes a process for the production of metal powders from a molten metal, the molten metal being dispensed as a jet (12) of metal from a discharge nozzle (10) and the jet (12) of metal being acted upon in an atomisation zone (22) downstream of the discharge nozzle (10) by a fluid (20) passed through a nozzle arrangement (18), the jet (12) of metal thereby being atomised to give the metal powder. In order to obtain a very fine grain spectrum of the metal powder in this process, it is proposed that the jet (12) of metal should flow through the electromagnetic field (H) of an electromagnetic field arrangement (14) in the region between the discharge nozzle (10) and the atomisation zone (22), the jet (12) of metal being altered in its cross section (q), i.e. constricted, by the magnetic field (H).

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B22F 9/08

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CPC (source: EP)

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Citation (search report)

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