

Title (en)

METHOD AND DEVICE FOR MAKING METALLIC POWDER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON METALLPULVER

Title (fr)

PROCEDE ET DISPOSITIF POUR LA PRODUCTION DE POUDRES METALLIQUES

Publication

EP 0543017 B1 19980225 (EN)

Application

EP 92911022 A 19920601

Priority

- JP 9200710 W 19920601
- JP 13434991 A 19910605
- JP 23641491 A 19910917

Abstract (en)

[origin: WO9221462A1] A method and a device for making metallic powder, by which irregularity in cooling speed is hardly caused, high speed cooling and solidification are made possible, and fine grain powder can easily be obtained. Cooling liquid is spouted along the inner peripheral surface of a cooling cylinder (1) so that a cooling liquid layer (9) is formed which moves while turning along the inner peripheral surface of said cylinder (1), toward the side of a cooling liquid discharging end of said cylinder (1); molten metal (25) is supplied into the inner space (23) inside said cooling layer (9); jetting gas (26) directed toward the cooling liquid layer (9) is blown to said molten metal (25) for fragmentation and molten metal thus fragmented is supplied to the cooling liquid layer (9); and cooling liquid containing metallic powder solidified in the cooling liquid layer (9) is discharged from the discharging end of the cooling cylinder (1) to the outside.

IPC 1-7

B22F 9/08; **B22F 9/10**

IPC 8 full level

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CPC (source: EP)

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WO 9221462 A1 19921210; AU 1776892 A 19930108; AU 645908 B2 19940127; CA 2088054 A1 19921206; CA 2088054 C 19990810; DE 69224505 D1 19980402; DE 69224505 T2 19980702; EP 0543017 A1 19930526; EP 0543017 A4 19940126; EP 0543017 B1 19980225; KR 0174749 B1 19990218

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