

Title (en)

DEVICE FOR TRANSFERRING POWDERY MATERIALS, AND USE FOR FEEDING A MELTING METAL WITH POWDERY MATERIAL

Title (de)

VORRICHTUNG ZUM FÖRDERN VON PULVERFÖRMIGEM MATERIAL, UND ANWENDUNG BEIM ZUFÜHREN PULVERFÖRMIGEN MATERIALS IN EINE METALLSCHMELZE

Title (fr)

DISPOSITIF DE TRANSFERT DE MATERIAUX PULVERULENTS, ET APPLICATION A L'ALIMENTATION D'UN METAL EN FUSION EN MATERIAU PULVERULENT

Publication

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Application

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Abstract (en)

[origin: WO0236468A1] The invention concerns a device for transferring powdery materials, comprising: a chamber (3), wherein the powdery material to be transferred is stirred and pressurised, chamber at the lower end (7) of which a pipe (8) carries said material towards its destination; a gas intake (14, 15), and in particular of compressed air, emerging at the pipe (8), and adapted to transport the material towards said destination. At the gas intake (14, 15), said pipe (8) forms a nozzle (12), oriented in the direction of the material flow, said nozzle emerging into a second pipe (9), substantially of same diameter as the first. The gas intake (14, 15) emerges at the lower end of the first pipe, outside the nozzle (12), said gas being introduced into the second pipe (9) through a plurality of through orifices (20) arranged substantially in the same plane as the lower end (13) of the nozzle (12), and oriented substantially parallel to the flow direction of the powdery material.

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