

Title (en)

A ROTARY DEVICE FOR TRANSMISSION OF MATERIAL IN PARTICULATE FORM

Title (de)

ROTIERENDE VORRICHTUNG ZUR ABGABE VON TEILCHENFÖRMIGEM MATERIAL

Title (fr)

DISPOSITIF ROTATIF DE TRANSMISSION DE MATIERE SOUS FORME PARTICULAIRE

Publication

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Application

EP 98925863 A 19980608

Priority

- GB 9801675 W 19980608
- GB 9806709 A 19980327

Abstract (en)

[origin: WO9949983A1] A device for transmitting a beam of material in particulate form for example for use as an atomised particle paint sprayer comprising an outer bell-shaped member (24) which is rotatable about a principal axis and arranged to project a conical curtain of small particles flowing generally towards a target, supply means for supply of material from a reservoir source and centrally outwards from said principal axis and towards a peripheral internal shaping region of said outer bell-shaped member to create said conical curtain of small particles there being an inner rotary bell-shaped member (23) which is provided coaxially with said outer bell-shaped member and is arranged to rotate at a different rate to that of said outer bell-shaped member so that at least a major part of the material emerging from said supply means is subject to differing rotary forces imparted by both the inner and outer rotary bell-shaped members (23, 24), and preferably the bell-shaped members being driven by an air supply conduit which is separate from an air supply conduit for air bearings (10, 11) supporting rotation of said bell-shaped members.

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IPC 8 full level

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