

Title (en)
IMPROVED POWDER COATING SYSTEM FOR DIFFICULT TO HANDLE POWDERS

Title (de)
PULVERAUFTRAGESYSTEM FÜR SCHWER ZU HANDHABENDE PULVER

Title (fr)
SYSTEME D'ENDUCTION DE POUDRE PERFECTIONNE POUR DES POUDRES DIFFICILES A MANIPULER

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Application
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- JP 10189493 A 19930405
- JP 11784193 A 19930421
- US 9312391 W 19931216

Abstract (en)
[origin: WO9413405A1] An improved method and apparatus (110) for air transport of powder particles includes a reverse flow nozzle (128) within a pump body (112) aimed at an inlet (120) which connects the pump body (112) to a fluidized powder hopper (114). In one aspect of the invention, during powder pumping caused by spraying pressurized air out of an ejector nozzle (122) in the pump body (112), reverse pulses from the reverse flow nozzle (128) are directed from the pump body (112) into the inlet (120) against the normal flow direction of the powder, thereby to prevent accumulation and adherence of powder within the inlet (120) and to assure uniformity in powder delivery per unit time to an article to be coated.

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