

Title (en)

Pneumatic apparatus for conveying powder, particularly coating powder

Title (de)

Pneumatische Fördervorrichtung für Pulver, insbesondere Beschichtungspulver

Title (fr)

Dispositif pneumatique pour transporter de la poudre, notamment de la poudre de revêtement

Publication

EP 0689875 A2 19960103 (DE)

Application

EP 95108877 A 19950609

Priority

DE 4423254 A 19940702

Abstract (en)

The conveyor comprises an injector nozzle (44) which is directed vertically upwardly axially into a powder/air channel (48). The injector nozzle is mounted in a material block (30) set at the lower end of the oblong rod-like immersion device (9) which has an injector (32) at the lower end insertable into a powder container. The powder/air channel (48), underpressure area (54), powder suction intake opening (52) and at least one first compressed air channel (58) are formed in the material block. The material block is fixed at the lower end of the first compressed air tube which is connected to the injector nozzle by the first compressed air channel. The upper end of the first air pipe is attached by a first fluid connector to a first fluid pipe for supplying the conveyor air to the injector nozzle. <IMAGE>

Abstract (de)

Pneumatische Fördervorrichtung für Pulver, insbesondere Beschichtungspulver zum Sprühbeschichten von Gegenständen, mit mindestens einer Tauchvorrichtung (1,9), die in einen Pulverbehälter eintauchbar ist, um darin Pulver abzusaugen. Am unteren Ende von Rohren ist ein Materialkörper (30) befestigt, in welchem ein Injektor untergebracht ist, welcher vertikal nach oben gerichtet ist und Pulver aus dem Pulverbehälter ansaugt. <IMAGE>

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B05B 7/14; B65G 53/22

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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Cited by

EP0913203A1; EP0760259A1; US5846031A; US7074274B1; US6194027B1; US6852165B2; US6217654B1; US6852164B2; WO0119529A3; WO9961162A1; US6821346B2; US7014556B2; US7997963B2; EP1222963A2; US6699325B2; US6730169B2

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