

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 A3 19960807 (DE)

Application

EP 95108877 A 19950609

Priority

DE 4423254 A 19940702

Abstract (en)

[origin: EP0689875A2] 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>

IPC 1-7

B05B 7/14; B65G 53/22

IPC 8 full level

B05B 7/14 (2006.01)

CPC (source: EP)

B05B 7/1404 (2013.01); **B05B 7/1472** (2013.01)

Citation (search report)

- [XA] FR 2139968 A1 19730112 - CHAMPION SPARK PLUG CO
- [X] FR 1398331 A 19650507 - RANSBURG ELECTRO COATING CORP
- [XA] DE 2508260 A1 19760909 - HEBENSTIEL HANS WERNER
- [XPA] GB 2276571 A 19941005 - STATIC INTERNATIONAL LIMITED [GB]
- [A] DE 4021674 A1 19920116 - GEMA RANSBURG AG [CH]
- [AD] DE 4114097 A1 19921105 - THIEMT OHG GEB [DE]
- [A] EP 0453750 A2 19911030 - METRI AIRFLUID AG [CH]
- [A] FR 2171686 A5 19730921 - AIR IND [FR]
- [A] US 3863808 A 19750204 - VERTUE CHARLES R

Cited by

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

Designated contracting state (EPC)

CH DE ES FR IT LI

DOCDB simple family (publication)

EP 0689875 A2 19960103; **EP 0689875 A3 19960807**; DE 4423254 A1 19960104; DE 4423254 C2 19981105

DOCDB simple family (application)

EP 95108877 A 19950609; DE 4423254 A 19940702