

Title (en)

Injector arrangement for transporting particulate materials

Title (de)

Injectoranordnung zur Förderung eines pulverförmigen Gutes

Title (fr)

Arrangement d'injection pour transporter des matériaux en particules

Publication

**EP 0823286 B1 20030102 (DE)**

Application

**EP 97109161 A 19970606**

Priority

CH 193696 A 19960807

Abstract (en)

[origin: EP0823286A2] The method involves using an injector (21) with a delivery gas stream (40) to aspirate powdered material into a suction chamber (25). As well as the delivery gas stream, at least one further adjustable gas stream (41) is connected and surrounds the delivery stream. The second gas stream may be arranged to flow in the same direction as the delivery gas stream or perpendicularly to the delivery gas stream and will surround the gas delivery system. A gas source (30), which supplies the delivery stream to the injector, delivers gas at a constant rate. The rate of gas delivered to the second stream is SIMILAR 3%-10% of that delivered to the delivery stream.

IPC 1-7

**B05B 7/14**; **B65G 53/14**

IPC 8 full level

**B65G 53/16** (2006.01); **B05B 7/14** (2006.01); **B05C 19/06** (2006.01); **B65G 53/42** (2006.01)

CPC (source: EP KR US)

**B05B 7/1404** (2013.01 - EP US); **B05C 19/06** (2013.01 - KR)

Cited by

DE102011004352A1; DE102011004352B4; US7607451B2; WO2006024417A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 0823286 A2 19980211**; **EP 0823286 A3 19980513**; **EP 0823286 B1 20030102**; CN 1087197 C 20020710; CN 1174760 A 19980304; DE 59709043 D1 20030206; JP H1081420 A 19980331; KR 19980018390 A 19980605; TW 358042 B 19990511; US 5873680 A 19990223; US 6051274 A 20000418

DOCDB simple family (application)

**EP 97109161 A 19970606**; CN 97117367 A 19970807; DE 59709043 T 19970606; JP 21285997 A 19970807; KR 19970037385 A 19970805; TW 86108201 A 19970613; US 18152298 A 19981028; US 90009197 A 19970725