

Title (en)

METHOD AND DEVICE FOR PNEUMATIC TREATMENT OF POWDER MATERIALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM PNEUMATISCHEN BEHANDELN PULVERFÖRMIGER STOFFE

Title (fr)

PROCEDE ET DISPOSITIF DE TRAITEMENT PNEUMATIQUE DE SUBSTANCES PULVERULENTES

Publication

**EP 1742725 B1 20110119 (DE)**

Application

**EP 05715997 A 20050311**

Priority

- EP 2005002643 W 20050311
- DE 102004012772 A 20040315
- DE 102004021612 A 20040503

Abstract (en)

[origin: US8834011B2] A device for pneumatic treatment of powder materials in a recipient chamber (22), with introduction of two material streams into the above through two inlet tubes (40, 40a), optionally in a counter-current and/or approximately tangential sense and swirled in the recipient chamber (22). The material streams are for introduction at roughly the same level in the container and the tracks thereof are interleaved. The material streams are also introduced at an inclination angle (w) to a radial plane (E) of the recipient chamber (22) which is inclined downwards.

IPC 8 full level

**B01F 3/18** (2006.01); **B01F 5/00** (2006.01); **B01F 5/10** (2006.01); **B65G 53/16** (2006.01); **F26B 3/26** (2006.01); **F26B 17/10** (2006.01); **F26B 17/16** (2006.01)

CPC (source: EP US)

**B01F 23/60** (2022.01 - EP US); **B01F 25/104** (2022.01 - EP US); **B01F 25/51** (2022.01 - EP US); **B01F 25/53** (2022.01 - EP US); **F26B 17/104** (2013.01 - EP US); **F26B 17/107** (2013.01 - EP US); **B01F 2215/0422** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2008037364 A1 20080214**; **US 8834011 B2 20140916**; AT E495815 T1 20110215; CN 101421028 A 20090429; CN 101421028 B 20160120; DE 102004021612 A1 20051006; DE 502005010880 D1 20110303; EP 1742725 A2 20070117; EP 1742725 B1 20110119; WO 2005092485 A2 20051006; WO 2005092485 A3 20081218

DOCDB simple family (application)

**US 59290005 A 20050311**; AT 05715997 T 20050311; CN 200580008261 A 20050311; DE 102004021612 A 20040503; DE 502005010880 T 20050311; EP 05715997 A 20050311; EP 2005002643 W 20050311