

Title (en)
DEVICE FOR GUIDING POWDERY FLUIDIC MEDIA

Title (de)
VORRICHTUNG ZUM FÖRDERN PUL VERFÖRMIGER FLUIDISIERTER MEDIEN

Title (fr)
DISPOSITIF POUR ACHEMINER DES SUBSTANCES FLUIDISEES PULVERULENTES

Publication
EP 1858647 A1 20071128 (DE)

Application
EP 06707431 A 20060306

Priority
• EP 2006002010 W 20060306
• DE 102005013091 A 20050318

Abstract (en)
[origin: WO2006097211A1] The invention relates to a device for guiding powdery fluidic media, in particular powder paint, comprising a receptacle (12) which is provided with an inner chamber (26) for the media which is to be guided, and from where the medium is suctioned via a connection channel (48) which can be closed by a valve body (82). The connection channel (48) and the valve body (82) comprise, respectively, an upper end area (64, 102). Said upper end areas are formed in such a manner that an annular Venturi nozzle (107) is formed therebetween which is used as a pump. The valve body (82) is inserted in a sealed manner in the end region (64) of the connecting channel (48) by means of a sealing section (92) when in the closed position thereof and comprises a conveyor gas channel (114, 104, 106, 108) which can be impinged upon by conveyor gas, through which the conveyor gas can be guided to the connection channel (48) in the vicinity of the sealing section (92), essentially, in the direction of flow of the medium.

IPC 8 full level
B05B 7/14 (2006.01)

CPC (source: EP US)
B05B 7/1404 (2013.01 - EP US)

Citation (search report)
See references of WO 2006097211A1

Designated contracting state (EPC)
CH DE FR LI SE

DOCDB simple family (publication)
DE 102005013091 B3 20060914; CA 2602177 A1 20060921; CA 2602177 C 20140923; CN 100571891 C 20091223; CN 101142030 A 20080312; EP 1858647 A1 20071128; US 2009004028 A1 20090101; US 8147213 B2 20120403; WO 2006097211 A1 20060921

DOCDB simple family (application)
DE 102005013091 A 20050318; CA 2602177 A 20060306; CN 200680008588 A 20060306; EP 06707431 A 20060306; EP 2006002010 W 20060306; US 88643806 A 20060306