

Title (en)

Process and device for controlling the flow of a fluidised powder from a container

Title (de)

Verfahren und Einrichtung zur Steuerung des Austritts eines fluidisierten Feststoffes aus einem Behälter

Title (fr)

Procédé et dispositif pour commander l'alimentation d'une poudre fluidisée à partir d'un réservoir

Publication

**EP 0792694 A3 19980527 (DE)**

Application

**EP 97102463 A 19970215**

Priority

DE 19606214 A 19960220

Abstract (en)

[origin: US5800876A] A method and a device for controlling the outflow of fluid powder from a container can be used for controlling the expulsion of powder out of a powder-spraying apparatus for electrostatic coating. The disadvantages of a mechanical closing device are avoided by introducing closing air into an extraction pipe for extracting fluidized powder out of a container. The closing air is introduced through a pipe which opens into an orifice in the casing of the extraction pipe. The mass flow of fluidized powder can be controlled by an appropriate setting of a pressure in the extraction pipe in relation to the pressure in the fluid bed, that is to say by the introduction of closing air at an appropriate pressure.

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**B05B 7/14**

IPC 8 full level

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**B05B 7/1413** (2013.01 - EP KR US); **Y10S 118/05** (2013.01 - EP US)

Citation (search report)

- [X] WO 9413405 A1 19940623 - NORDSON CORP [US], et al
- [X] WO 8704643 A1 19870813 - NORDSON CORP [US]
- [X] GB 2002709 A 19790228 - CONTINENTAL GROUP

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 5800876 A 19980901**; AT E234159 T1 20030315; DE 19606214 A1 19970821; DE 19606214 B4 20060601; DE 59709463 D1 20030417;  
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