

Title (en)

Process and device for metering and regulating the powder flow in a powder spray coating installation.

Title (de)

Verfahren und Einrichtung zur Messung und Regelung der Pulvermenge in einer Pulversprühbeschichtungsanlage.

Title (fr)

Procédé et dispositif de mesure et de régulation du débit de poudre dans une installation de revêtement par poudrage par pulvérisation.

Publication

**EP 0297309 B1 19931222 (DE)**

Application

**EP 88108891 A 19880603**

Priority

DE 3721875 A 19870702

Abstract (en)

[origin: EP0297309A2] With this device, it is possible to measure and regulate directly the quantities of powder which are fed per unit time to a spray coating device for spray coating objects. For this purpose, the powder component in a powder/gas stream of the pneumatically conveyed powder is measured by a radiometric device (44) and the measured value is linked electronically, via an electronic evaluation device (42), with a value for the gas quantity which corresponds to the quantity of gas contained in the powder/gas stream and from this forms an absolute actual value of the quantity of powder conveyed per unit time. <IMAGE>

IPC 1-7

**G01F 1/74**; **B05B 12/08**; **B05B 7/14**

IPC 8 full level

**B05B 7/14** (2006.01); **B05B 12/08** (2006.01); **B05D 1/12** (2006.01); **G01F 1/74** (2006.01); **G01N 21/85** (2006.01)

CPC (source: EP US)

**B05B 7/1404** (2013.01 - EP US); **B05B 7/1472** (2013.01 - EP US); **B05B 12/085** (2013.01 - EP US)

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