

Title (en)  
Method and apparatus for feeding powder to a powder spraying device

Title (de)  
Verfahren und Einrichtung zum Zuführen von Pulver zu einer Pulversprüheinrichtung

Title (fr)  
Méthode et dispositif d'alimentation en poudre d'un appareil de revêtement à poudre

Publication  
**EP 0767006 B1 19990421 (DE)**

Application  
**EP 96115512 A 19960927**

Priority  
DE 19537089 A 19951005

Abstract (en)  
[origin: EP0767006A1] The method has the fluidisation occurring in a twin chambered device (2), the first chamber (3 )receiving the compressed air that then passes through a "frit" to the second chamber(4). The powder in the second chamber leaves the device from the nozzle (11) and is charged up. The powder is filled through the hole (9) which can be closed off. Apart from the nozzle and the air inlet and outlet valves (17,19), the fluidisation takes place in a closed chamber, the valves being used to maintain the correct pressure proportions. Additional mechanical energy is passed to the fluidised bed of the second chamber in the form of vibration.

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**B05B 1/1654** (2013.01 - EP US); **B05B 5/032** (2013.01 - EP KR US); **B05B 5/04** (2013.01 - EP KR US); **B05B 5/1691** (2013.01 - EP KR US); **B05B 7/1413** (2013.01 - EP KR US); **B05B 5/1683** (2013.01 - EP KR US)

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