

Title (en)  
DEVICE FOR SUPPLYING GRANULAR MATERIAL

Title (de)  
VORRICHTUNG FÜR DIE ZUFÜHRUNG VON KÖRNIGEM MATERIAL

Title (fr)  
DISPOSITIF D'ALIMENTATION EN MATÉRIAU GRANULAIRE

Publication  
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Application  
**EP 12838439 A 20121003**

Priority  
• JP 2011219305 A 20111003  
• JP 2012075686 W 20121003

Abstract (en)  
A powder or granular material feeding apparatus (11) includes: a guide cylinder (18) having a plurality of gas suction holes (28) that guides gas in an interior thereof to an outside formed therethrough and configured to guide a powder or granular material; a filter (29) provided on a portion of the guide cylinder where the gas suction holes are formed to allow the gas in the interior of the guide cylinder to flow to the outside via the gas suction holes and prevent from leaking to the outside; a nitrogen gas feeding apparatus (27) configured to feed inert gas; an auger (19) including a revolving shaft (21) positioned in the guide cylinder and configured to rotate, and a blade (22) provided on the revolving shaft and configured to transport the powder or granular material by being rotated by the rotation of the revolving shaft in the guide cylinder, the revolving shaft including a nitrogen feed channel (23) configured to guide the inert gas supplied by the nitrogen gas feeding apparatus and a gas feed port (26) configured to allow the inert gas guided by the nitrogen feed channel to eject therefrom to cause the powder or granular material to contain the inert gas; and an air-gas suction device (79) configured to suck the gas in the guiding cylinder to the outside of the guide cylinder.

IPC 8 full level  
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Cited by  
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