

Title (en)
TARGETTED DISCHARGE OF DOSED QUANTITIES OF SOLID MATERIATARGETTED DISCHARGE OF DOSED QUANTITIES OF SOLID MATERIALS CONTAINED IN A GAS USING A VENTURI NOZZLE AND A CONTRLS CONTAINED IN A GAS USING A VENTURI NOZZLE AND A CONTROL DEVICE FOR REGULATING IT OL DEVICE FOR REGULATING IT

Publication
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Application
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Priority
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Abstract (en)
[origin: EP0336197A2] The invention relates to a method and device for the selective discharge of metered quantities of solids which are finely distributed in a gas using one or more controlled venturi nozzles for the purpose of applying lubricants and separating agents to the loaded surfaces of pre-forming tools in pre-forming machines or for applying solids which are finely distributed in a gas to solid carrier materials, in particular in the area of medicines, foods or catalytic converters.

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Citation (search report)

- [AD] US 4323530 A 19820406 - VOSS GUENTHER, et al
- [A] FR 2112282 A1 19720616 - MOELLER WALTER [DE]
- [A] US 4098915 A 19780704 - WARNING SR WALTER B, et al
- [A] WO 8704643 A1 19870813 - NORDSON CORP [US]

Cited by
DE102016123279A1; DE102016123279B4; DE102008002311B4; EP0676280A1; DE19647089A1; US6079968A; EP0842763A3; DE4400111C2; US12065729B2; WO9518596A1; WO2004024339A1; WO9518595A1

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