

Title (en)

TARGETTED DISCHARGE OF DOSED QUANTITIES OF SOLID MATERIAL TARGETTED 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

EP 0336197 A3 19900822 (DE)

Application

EP 89104987 A 19890321

Priority

DE 3811260 A 19880402

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.

IPC 1-7

B05B 12/06; **B05B 12/12**; **B05B 7/14**; **B30B 15/00**

IPC 8 full level

A61J 3/10 (2006.01); **B05B 7/14** (2006.01); **B05B 12/06** (2006.01); **B05B 12/12** (2006.01); **B30B 11/08** (2006.01); **B30B 15/00** (2006.01)

CPC (source: EP US)

B05B 12/06 (2013.01 - EP US); **B05B 12/126** (2013.01 - EP US); **B30B 15/0011** (2013.01 - EP US); **Y10S 426/811** (2013.01 - EP US)

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

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0336197 A2 19891011; **EP 0336197 A3 19900822**; **EP 0336197 B1 19920603**; AT E76790 T1 19920615; AU 3226689 A 19891005; AU 620854 B2 19920227; CA 1320915 C 19930803; DD 283579 A5 19901017; DE 3811260 A1 19891026; DE 3811260 C2 19910704; DE 58901567 D1 19920709; ES 2033036 T3 19930301; GR 3005304 T3 19930524; JP 2557101 B2 19961127; JP H01299795 A 19891204; US 5624690 A 19970429

DOCDB simple family (application)

EP 89104987 A 19890321; AT 89104987 T 19890321; AU 3226689 A 19890331; CA 595309 A 19890331; DD 32714289 A 19890331; DE 3811260 A 19880402; DE 58901567 T 19890321; ES 89104987 T 19890321; GR 920401636 T 19920729; JP 8137589 A 19890331; US 45733995 A 19950601