

Title (en)

Hand-gun for powder coating comprising switch for changing the amount of discharged powder

Title (de)

Pulversprühpistole mit Schalter zum Verändern der versprühten Pulvermenge

Title (fr)

Pistolet de pulvérisation de poudre avec un commutateur pour modifier le débit de poudre pulvérisé

Publication

EP 0899015 A1 19990303 (EN)

Application

EP 98114891 A 19980807

Priority

JP 22486197 A 19970821

Abstract (en)

A powder coating hand-gun usable in an electrostatic coating method in which the powder coating hand-gun is instantaneously responsive to a change or variation in the coating environment during the coating operation without the operator's interrupting the coating operation, and a coating system incorporating the same are provided. The rearward section of a barrel portion 14 of a hand-gun 12 includes a switch 22 which can be operated by releasing only the thumb T of the right hand holding the hand-gun 12 from a grip portion 16 and standing the thumb T. The amount of the coating material discharged from the hand-gun 12 can be changed, for example, from 400 g/cm³ to 200 g/cm³ by operating the switch 22 when the hand-gun is approaching an interior corner while coating a box. <IMAGE>

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Citation (search report)

- [X] US 4216915 A 19800812 - BAUMANN KURT [CH], et al
- [X] US 3674209 A 19720704 - LIEDBERG KURT HERMAN
- [X] DE 1966244 A1 19720224 - MUELLER ERNST KG
- [X] DE 2264386 A1 19730530 - NORDSON CORP
- [X] US 3940061 A 19760224 - GIMPLE JAMES J, et al
- [A] US 3008645 A 19611114 - ROGER MOREL, et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 004, no. 098 (C - 018) 15 July 1980 (1980-07-15)

Cited by

JP2018047432A; WO0010723A1; US8584973B2; US9227209B2; US9713817B2; EP2055391B1; EP2055391B2; EP2055392B1; EP2055392B2; EP3020484B1

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