

Title (en)
Coating powder spray gun

Title (de)
Pulver-Sprühpistole für Beschichtungspulver

Title (fr)
Pistolet de projection de poudre de revêtement

Publication
EP 0737517 A2 19961016 (DE)

Application
EP 96101500 A 19960202

Priority
DE 19514147 A 19950415

Abstract (en)
The pistol has a pistol body (2) with a powder channel (18) passing through the body, a mechanism (12) for the replaceable attachment of a mouthpiece (14) to the downstream end of the body and its powder channel for ejecting the powder out of the channel as a dust spray and a high voltage generator (30) in the body with an electrode for charging the powder. A rotation dust formation mouthpiece (14) is fitted with a rotation body (48) for producing dust from the powder. The rotation body rotates in the mouthpiece and is mounted so as to be able to be driven. The coating powder is subjected to centrifugal force and hence formed into dust.

Abstract (de)
Pulver-Sprühpistole für Beschichtungspulver, welche einen Pistolenkörper (2) mit einem darin untergebrachten Hochspannungserzeuger (30) und austauschbare Mundstücke (14, 16) zum Zerstäuben des Beschichtungspulvers aufweist. Eines dieser Mundstücke (14) enthält einen Rotationszerstäuber (48). <IMAGE>

IPC 1-7
B05B 5/03; B05B 7/14; B05B 5/04

IPC 8 full level
B05B 5/03 (2006.01); **B05B 5/04** (2006.01); **B05B 7/14** (2006.01)

CPC (source: EP)
B05B 5/032 (2013.01); **B05B 5/0403** (2013.01); **B05B 5/0418** (2013.01)

Cited by
CN108654896A; US5922131A; EP0808663A3; EP4049759A1; CN114950763A; WO2004101164A1; EP1658142B2

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0737517 A2 19961016; **EP 0737517 A3 19961127**; **EP 0737517 B1 19990915**; DE 19514147 A1 19961017; DE 59603034 D1 19991021

DOCDB simple family (application)
EP 96101500 A 19960202; DE 19514147 A 19950415; DE 59603034 T 19960202