

Title (en)

Spray gun for electrostatic spray coating of objects.

Title (de)

Sprühpistole zur elektrostatischen Sprühbeschichtung von Gegenständen.

Title (fr)

Pistolet de pulvérisation pour le revêtement d'objets par pulvérisation électrostatique.

Publication

EP 0645192 A3 19950913 (EN)

Application

EP 94500160 A 19940928

Priority

ES 9302572 U 19930929

Abstract (en)

[origin: EP0645192A2] Spray gun for electrostatic spray coating of objects, namely for a powder coating material, comprising a gun barrel (1) including a high voltage generator, topped in a replaceable nozzle (2), and a grip or support member (10, 11), a duct (14) for the coating material circulation, extending along said barrel and grip or support, and electrodes (17) connected to said high voltage generator and interposed to the passage of the product to spray. According to the invention the spray gun is composed of a tubular element (6), acting as support of the barrel body (1), said element (6) being laterally extended by a portion (7) continued by a grip (10) or a supporting member (11) fastened to an automatic handler member, and said element (6) receiving, tightly inserted, a rear part (5) of the barrel (1), of smaller section, lengthwise delimited by a step (18) and topped by an end configuration (19) adapted to fasten a detachable part (8) which keeps linked the two bodies support (6) and barrel (1). The tubular support section comprises some passages to insert therethrough some ducts (16, 46) to supply powder and fluid and electrical current.
<IMAGE>

IPC 1-7

B05B 5/03; **B05B 7/14**

IPC 8 full level

B05B 5/03 (2006.01); **B05B 5/053** (2006.01)

CPC (source: EP)

B05B 5/032 (2013.01); **B05B 5/0531** (2013.01)

Citation (search report)

[A] EP 0383031 A1 19900822 - GEMA RANSBURG AG [CH]

Cited by

CN110860391A; CN111495617A; CN113423509A; US8746597B2; US6622948B1; WO0010724A1; WO9723326A1; US12090506B2

Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

EP 0645192 A2 19950329; **EP 0645192 A3 19950913**; **EP 0645192 B1 19990512**; DE 69418407 D1 19990617; ES 1025823 U 19940201; ES 1025823 Y 19940816

DOCDB simple family (application)

EP 94500160 A 19940928; DE 69418407 T 19940928; ES 9302572 U 19930929