

Title (en)

SPRAY-COATING GUN FOR THE SPRAY COATING OF OBJECTS WITH COATING POWDER

Title (de)

SPRÜHBESCHICHTUNGSPISTOLE ZUR SPRÜHBESCHICHTUNG VON GEGENSTÄNDEN MIT BESCHICHTUNGSPULVER

Title (fr)

PISTOLET DE REVÊTEMENT PAR PULVÉRISATION POUR LE REVÊTEMENT PULVÉRULENT PAR PULVÉRISATION D'OBJETS

Publication

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Application

**EP 14701054 A 20140121**

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Abstract (en)

[origin: WO2014154373A1] The present invention relates to a spray-coating gun (1) for the spray coating of objects with coating powder. The front end region of the spray-coating gun (1) has a coating-powder spray head (5) and the opposite, rear end region of said spray-coating gun has a coating-powder connection (12) and at least one compressed-gas connection (13, 14). Coating powder can be supplied via the coating-powder connection (12) to a coating-powder channel (11, 26) extending to the coating-powder spray head (5), while compressed gas can be supplied via the at least one compressed-gas connection (13, 14) to at least one compressed-gas channel (9, 28; 10, 29) extending to the front end region of the spray-coating gun (1). In order to optimize the coating quality which can be achieved with the spray-coating gun (1), it is provided according to the invention that the compressed-gas channel (9, 28; 10, 29) has at least one compressed-gas branch (35, 36) via which at least some of the compressed gas added to the compressed-gas channel (9, 28; 10, 29) is supplied to the coating-powder channel (11, 26) in order to adjust a powder/air mixture necessary for atomizing at the coating-powder spray head (5) and/or for homogenizing the coating powder supplied to the coating-powder channel (11, 26).

IPC 8 full level

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Citation (search report)

See references of WO 2014154373A1

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