

Title (en)

AIR CAP AND NOZZLE ASSEMBLY FOR A SPRAY GUN AND SPRAY GUN

Title (de)

LUFTKAPPE UND DÜSENANORDNUNG FÜR EINE SPRITZPISTOLE UND SPRITZPISTOLE

Title (fr)

VOLET D'AÉRATION ET SYSTÈME DE BUSE POUR UN PISTOLET PULVÉRISATEUR ET PISTOLET PULVÉRISATEUR

Publication

EP 3184177 B1 20200506 (DE)

Application

EP 16203544 A 20161212

Priority

DE 102015016474 A 20151221

Abstract (en)

[origin: TWM540697U] The utility model relates to an air cap for a spray gun, in particular a paint spray gun, having at least one central opening, which is delimited by a mouth, and two horns, each having at least one inner and one outer horn air duct and one inner and one outer horn air opening, wherein the spacing between the front end of the central opening and an axis which perpendicularly intersects the central axis of the central opening and runs through the centre of an inner horn air opening is between 0.6 mm and 2.6 mm. The spray pattern that is generated by means of the air cap according to the present utility model has a longer core region and a steeper transition of the layer thickness between the external region and the core region, this in comparison to the air caps according to the prior art leading to an improvement in the coating quality. The utility model furthermore relates to a nozzle assembly and to a spray gun, in particular a paint spray gun, having the mentioned properties.

IPC 8 full level

B05B 7/08 (2006.01)

CPC (source: CN EP US)

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Cited by

US11141747B2; US11801521B2; US11826771B2; US11865558B2; WO2018184636A3

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