

Title (en)
Sprayhead for electrostatic spraying.

Title (de)
Elektrostatischer Spritzkopf.

Title (fr)
Tête de pulvérisation électro-statique.

Publication
EP 0123538 A2 19841031 (EN)

Application
EP 84302710 A 19840419

Priority
GB 8311100 A 19830423

Abstract (en)
A sprayhead for electrostatic spraying comprises an outer, non-conductive frusto-conical member (2) having channels (17) in its interior surface. An inner member (1) having two frusto-conical outer surface portions (7, 8) separated by step is fitted within said outer member (2) with one of the surface portions (7) engaging the interior surface of the outer member (2). In use, fluid flows through a flow pipe (10) to the channels through a groove (12) in the end of a stem of a metal screw (11) which secures the inner member (1) in position, the stem end being screw-threadedly engaged in the pipe (10). The pipe (10) is electrically charged and this charge is conducted therefrom through the screw to the metal inner member (1). Thus as fluid flows in the channels (17) in contact with surface portion (7) it is charged so that electrostatically charged spray droplets are produced at an edge (3) of the non-conducting outer member (2).

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B05B 5/02; A01M 7/00

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A01M 7/00 (2006.01); **B05B 5/025** (2006.01); **B05B 15/00** (2018.01)

CPC (source: EP US)
B05B 5/0255 (2013.01 - EP US); **B05B 15/00** (2013.01 - EP US)

Cited by
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