

Title (en)

SPRAY HEAD FOR A FLUID PRODUCT AND USE OF SUCH A HEAD

Title (de)

SPRÜHKOPF FÜR EIN FLUIDPRODUKT UND VERWENDUNG SOLCH EINES KOPFES

Title (fr)

TÊTE DE PULVÉRISATION DE PRODUIT FLUIDE ET UTILISATION D'UNE TELLE TÊTE

Publication

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Application

EP 18709667 A 20180213

Priority

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Abstract (en)

[origin: WO2018146434A1] The invention relates to a spray head for a fluid product, comprising: a body (1) forming a compartment (14) in which a core (16) extends; and a nozzle (2) fitted into the compartment (14) around the core (16), and forming a spray opening (O) having a chamber outlet diameter D3 with a chamber outlet cross-section S3. The core (16) and the nozzle (2) define therebetween, from upstream to downstream: multiple swirl channels (T) having a channel length L1; and a swirl chamber (C) having a chamber inlet diameter D2 and a chamber inlet cross-section S2, the dispensing opening (O) forming an outlet for the swirl chamber (C), characterised in that $30\% \leq S2 \leq 55\%$ of S2, and preferably S3 is equal to approximately 42% of S2.

IPC 8 full level

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CPC (source: EP KR US)

B05B 1/3436 (2013.01 - EP KR US); **B65D 83/20** (2013.01 - EP KR US)

Citation (opposition)

Opponent : Aero Pump GmbH

- WO 9713584 A1 19970417 - PROCTER & GAMBLE [US]
- US 2009020621 A1 20090122 - CLARK PAUL A [US], et al
- FR 2708908 A1 19950217 - OREAL [FR]
- K.-H. GROTE, J. FELDHOUSEN: "Taschenbuch für den Maschinenbau, 22. Auflage", 2007, SPRINGER, Berlin, Heidelberg, New York, article "Werkstofftechnik - 4 Kunststoffe", pages: E 80, XP055845433

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