

Title (en)

NOZZLE FOR SPRAYING LIQUID IN THE FORM OF MIST

Title (de)

DÜSE ZUM VERSPRÜHEN VON FLÜSSIGKEIT IN FORM VON NEBEL

Title (fr)

BUSE DE PULVÉRISATION DE LIQUIDE SOUS FORME DE BROUILLARD

Publication

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Application

EP 21707351 A 20210204

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Abstract (en)

[origin: WO2021156573A1] The invention relates to a fluid spray nozzle (1) which is intended to be mounted on a distribution receptacle, the nozzle comprising at least one fluid inlet capillary which extends longitudinally along an axis A1, a supply means, the means being able to receive the fluid from the at least one inlet capillary in order to supply it to at least two pipes, a pillar comprising the at least two pipes which are able to receive the fluid from the supply means, the pipes extending longitudinally along the axis A1 and being radially offset relative to the axis A1, at least two turbulence channels in fluid connection with the at least two pipes, a turbulence chamber for receiving the fluid coming tangentially from the at least two turbulence channels in order to supply at least one spray opening having axial symmetry and a constant cross-section s, the chamber having a cross-section decreasing towards the opening and having a maximum cross-section S and a maximum diameter D, characterised in that the ratio of the cross-section s of the spray opening to the maximum cross-section S of the turbulence chamber (3) is such that $1\% \leq s/S \leq 20\%$.

IPC 8 full level

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