

Title (en)
ATOMISATION NOZZLE WITH REDUCED DIAMETER

Title (de)
ZERSTÄUBUNGSDÜSE MIT EINEM KLEINEN DURCHMESSER

Title (fr)
BUSE DE PULVERISATION A DIAMETRE REDUIT

Publication
EP 1467818 A1 20041020 (FR)

Application
EP 03700410 A 20030124

Priority
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Abstract (en)
[origin: WO03061839A1] The invention relates to an atomisation nozzle in which the vortex chamber (7) is connected to the exterior by means of a conical convergent co-axial outlet hole (10) and communicates with the inlet by means of a number of oblique transfer channels (11, 15). Each first transfer channel (11) is defined by an external face (21) having a profile generally rectilinear which connects tangentially to the peripheral wall (8) of the vortex chamber (7), whilst the internal face (22) has a concave profile over the greater part of the length thereof. The distribution and fineness of the atomised particles exiting from the nozzle are thus improved, particularly when the liquid has a viscosity greater than that of water.

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