

Title (en)
SPRAY NOZZLE AND VAPORIZER PROVIDED WITH SUCH NOZZLE

Title (de)
SPRÜHDÜSE UND ZERSTAUBER MIT EINER SOLCHEN DÜSE

Title (fr)
BUSE DE PULVERISATION ET PULVERISATEUR COMPORTANT UNE TELLE BUSE

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Application
EP 94917053 A 19940525

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Abstract (en)
[origin: US5769325A] PCT No. PCT/FR94/00613 Sec. 371 Date Apr. 10, 1996 Sec. 102(e) Date Apr. 10, 1996 PCT Filed May 25, 1994 PCT Pub. No. WO94/27732 PCT Pub. Date Dec. 8, 1994A nozzle for spraying a fluid comprises an outlet duct (3, 4) opening out into a swirling chamber (5) in the center of an annular surface (10), the chamber being closed by an end wall (6) which is pierced by an outlet orifice (7) and which includes an inside face (6a) provided with swirling grooves (8). The swirling chamber (5) is partially filled by a core (9), the core leaving at least one lateral passage (11) empty, putting the swirling groove into communication with the outlet duct. The spray nozzle also includes a valve adapted to close the outlet duct. The core is a substantially circularly cylindrical elastomer part which is resiliently compressed axially against the end wall (6) of the swirling chamber and the annular surface (10), the core (9) cooperating with the annular surface to constitute the valve, and the core being pressed against the end wall, thereby isolating the swirling grooves (8) so that they do not communicate with one another between the outlet orifice (7) and the lateral passage (11) left empty by the core (9).

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