

Title (en)
Pressurised atomising nozzle

Title (de)
Druckzerstäuberdüse

Title (fr)
Buse de pulvérisation par pression

Publication
EP 0794383 A3 19980401 (DE)

Application
EP 97810083 A 19970220

Priority
DE 19608349 A 19960305

Abstract (en)
[origin: EP0794383A2] The swirl chamber (39) is connected with an outer chamber by a nozzle hole (33) and has at least one inflow duct (41) for the liquid being atomised. The liquid is conveyed under pressure through the first inflow duct. The chamber contains at least one further inflow duct (38) for part of the liquid (37) being atomised or for a second liquid being atomised. Either or both liquids is/are conveyed under pressure and while swirling through the second inflow duct. The nozzle hole is in the cover (32) of a first pipe in which a smaller diameter second pipe (35) fits. The annular gap (36) between the pipes acts as an inflow for a swirl stage. The second pipe is bounded by a filler piece (40) containing at least one tangential swirl duct. At least one inflow duct (41) acts as turbulence duct.

IPC 1-7
F23D 11/26; F23C 7/00

IPC 8 full level
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Citation (search report)
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