

Title (en)  
SPRAY NOZZLE WITH DIRECTLY MOUNTED PLATE

Title (de)  
ZERSTÄUBUNSDÜSE MIT AUFGESETZTEM PLÄTTCHEN

Title (fr)  
BUSE DE PULVERISATION A PLAQUETTE RAPPORTEE

Publication  
**EP 1042073 B1 20031008 (FR)**

Application  
**EP 98959102 A 19981222**

Priority  
• FR 9716749 A 19971224  
• IB 9802104 W 19981222

Abstract (en)  
[origin: US6241165B1] A spray nozzle includes a central swirl chamber (9), receiving the fluid tangentially through lateral fluid inlet channels (14) from a peripheral front cavity (8), and projecting the fluid in outlet through a coaxial outlet passage (12). The coaxial outlet passage (12), the central swirl chamber (9) and the fluid inlet channels (14) are made up of ribs and recesses in a front plate (15) engaged between a nozzle (1) hollow body and a rear core (5) which is itself formed by a core rear body (5a) and a rear plate (5b) with rear axial recess (17). Thus one can economically produce fluid inlet channels (14) and a central swirl chamber (9) with coaxial outlet passage (12) and rear axial recess (17) with very accurate dimensions, thereby ensuring satisfactory reproducibility of the features of the fluid spray jet at the outlet.

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