

Title (en)  
SPRAY NOZZLE WITH FLAT JET AND LOW DRIFT

Title (de)  
SPRÜHDÜSE MIT FLACHEM STRAHL UND GERINGER ABDRIFT

Title (fr)  
BUSE DE PULVÉRISATION À JET PLAT ET FAIBLE DÉRIVÉ

Publication  
**EP 3871792 B1 20230607 (FR)**

Application  
**EP 21158812 A 20210223**

Priority  
FR 2002021 A 20200228

Abstract (en)  
[origin: US2021268522A1] The spray nozzle includes a body, which has a fluid inlet region and a fluid outlet orifice, and which houses: a core, internally defining a passage, of increasing cross-section, in communication with the outside substantially at the point of its smallest cross-section, resulting in a Venturi effect, an insert, provided with an outlet slot defining the opening angle of the nozzle, the core and the insert being at a distance from one another and forming therebetween a working chamber. The nozzle further includes a splitter, housed in the working chamber, arranged to form an obstacle to the flow of the fluid, the splitter having two axial orifices, each forming a fluid passage, on either side of a radial plane, such that the two streams passing through the orifices of the splitter combine and then impinge the surface of the outlet slot of the insert, ultimately generating a flat jet.

IPC 8 full level  
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