

Title (en)  
DEVICE FOR SPRAYING LIQUID INTO A COMBUSTION CHAMBER

Title (de)  
VORRICHTUNG ZUM VERSPRAYEN VON FLÜSSIGKEIT IN EINEN BRENNRAUM

Title (fr)  
DISPOSITIF PERMETTANT DE PULVÉRISER UN LIQUIDE DANS UNE CHAMBRE DE COMBUSTION

Publication  
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Application  
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Abstract (en)  
[origin: WO2014108338A1] The invention relates to a device for nebulizing or spraying or injecting liquid into an operating chamber, wherein at least one multiple jet nozzle (1) is provided, having at least two jet ducts (2, 3) for generating at least two liquid jets colliding at least partially with one another in a collision zone (7), such that a jet substantially in a fan shape can be produced, the extent of which in a fan plane is larger or at least twice as large as in the direction transverse to this fan plane, wherein a nozzle body (1) of the multiple jet nozzle (1) comprises at least the two jet ducts (2, 3), whereby a fan jet which is as stable and/or as controlled as possible is produced. This is achieved according to the invention in that a distance (A) of the nozzle body (1) from the collision zone (7) and/or a collision point (7) of the at least partially colliding liquid jets is between 0 millimetres (mm) and 15 times a diameter (D) of the jet duct/s (2, 3).

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