

Title (en)  
NOZZLE WITH MULTIPLE OUTLETS

Title (de)  
DÜSE MIT MEHREREN AUSGÄNGEN

Title (fr)  
INJECTEUR À SORTIES MULTIPLES

Publication  
**EP 3225722 A1 20171004 (EN)**

Application  
**EP 15862295 A 20151124**

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Abstract (en)  
The invention relates to a nozzle with multiple outlets, comprising at least one chamber through which a fluid can flow, with a fluid inlet opening and a plurality of fluid outlet openings through which the fluid leaves the nozzle in optimum conditions for being acted upon electrohydrodynamically or aerohydrodynamically. The nozzle can be used with low-viscosity fluids as it comprises at least one fluid distributor (3) in the chamber, consisting of a hollow body through which the fluid entering the chamber flows. The fluid distributor (3) allows the uniform distribution of the fluid through all of the outlet openings of the chamber, and prevents the fluid from only flowing out through the outlet openings closest to the inlet opening. The invention improves results relating to the production of microstructured, submicrostructured and nanostructured materials.

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