

Title (en)  
FOCUSSED ELECTROSPRAY DEVICE

Title (de)  
FOKUSSIERTE ELEKTROSPRAYVORRICHTUNG

Title (fr)  
DISPOSITIF DE PULVERISATION ELECTRIQUE FOCALISEE

Publication  
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Application  
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Abstract (en)  
[origin: WO03041869A1] The invention relates to a device for the spraying of electrically charged fluids, a device for generation of an ion cloud with an aperture within the ion cloud and application of said devices in mass spectrometry. The aim of the invention is to produce a comparatively very fine electrospray with a spray cone having a comparatively small apex angle, in order to improve sensitivity on application in mass spectrometry. Said aim is achieved, whereby a charged fluid (1) is sprayed through an electric field to give an electrospray (5), the electrospray is diverted, or restricted in the extent thereof by means of a gas flow (2) or several gas flows, whereby the spraying point is not affected by the gas stream (2) the gas stream being thus not involved in the generation of the electrospray.

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