

Title (en)

METHOD AND DEVICE FOR PRODUCING A DIRECTED GAS JET

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG EINES GERICHTETEN GASSTRAHLS

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE UN JET DE GAZ DIRIGE

Publication

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Application

EP 99926325 A 19990518

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Abstract (en)

[origin: DE19822672A1] The aim of the invention is to provide a method and a device for producing a directed gas jet which are such that a maximum particle density is generated. This is achieved by the production of a guided sample gas jet as well as a directed and guided auxiliary gas jet which is separate from the guided sample gas jet and extends in the same direction, by joining the sample gas jet and auxiliary gas jet along a defined path, and by means of a device consisting of a central sample gas guiding element (7) with a supply line and an auxiliary gas guiding element (8) which is arranged concentrically about the sample gas guide and also has a supply line (6). The sample gas guiding element (7) discharges into the auxiliary gas guiding element (8). The device is characterized in that a pulsed valve (4) is positioned in the supply line for the auxiliary gas.

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