

Title (en)
METHOD AND DEVICE FOR PULVERISING LIQUIDS USING GAS FLOWS

Title (de)
VERFAHREN UND VORRICHTUNG ZUM ZERSTÄUBEN VON FLÜSSIGKEITEN MIT HILFE VON GASSTRÖMEN

Title (fr)
PROCEDE ET DISPOSITIF POUR PULVERISER DES LIQUIDES AU MOYEN D'ECOULEMENTS GAZEUX

Publication
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Application
EP 02777303 A 20021010

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Abstract (en)
[origin: WO03033900A1] The invention relates to a method and a device for pulverising liquids using gas flows. According to the invention, the liquid is guided through an outlet into a pulverisation chamber and is pulverised in fine droplets. The liquid jet leaving the outlet (15) of a liquid channel (4) is accelerated by a laminar gas flow which is continuously accelerated by means of a Laval nozzle (5), until the increasing pressure inside the liquid jet and the decreasing pressure in the gas flow leads to the explosion of the liquid jet and to the formation of droplets.

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