

Title (en)

METHOD, NOZZLE AND DEVICE FOR ATOMIZING ACTIVE SUBSTANCES CONTAINED IN A LIQUID

Title (de)

VERFAHREN, DÜSE ZUR VORRICHTUNG ZUR ZERSTÄUBUNG VON IN EINER FLÜSSIGKEIT ENTHALTENEN WIRKSTOFFEN

Title (fr)

PROCEDE, BUSE POUR DISPOSITIF PERMETTANT DE PULVERISER DES SUBSTANCES ACTIVES CONTENUES DANS UN LIQUIDE

Publication

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Application

**EP 06724206 A 20060410**

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Abstract (en)

[origin: WO2006108598A1] The invention relates to a method for atomizing active substances contained in a liquid. The method involves the use of electrohydraulic means having at least one nozzle (1) and at least one electrode (11). The nozzle and the electrode are designed and/or arranged and a voltage applied to the electrode is selected so that a molecularization of the active substances contained in the liquid ensues. During the atomization, parasitic effects and/or interfering influences and, in particular, a generation of ozone is largely reduced. The nozzle for use in this method comprises an outer capillary tube (10) made of non-conductive material and of a wire-shaped electrode (11), which is placed inside the capillary tube and which is constantly wet during the operation of the nozzle, and the surface of the electrode is not in contact with any oxygen from the ambient air. The device for atomizing active substances contained in a liquid comprises a first outer nozzle (2) inside of which a second inner nozzle (1) is placed and comprises means for generating an air flow inside the first outer nozzle.

IPC 8 full level

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