

Title (en)

Method for spraying a liquid solution by ultrasound, and droplet diffuser for this method.

Title (de)

Verfahren zur Ultraschallzerstäubung einer Flüssigkeitslösung und Tröpfchendiffuser zur Durchführung dieses Verfahrens.

Title (fr)

Procédé de micropulvérisation d'une solution liquide par ultrason et diffuseur de microgouttelettes mettant en oeuvre ledit procédé.

Publication

**EP 0437155 B1 19950215 (FR)**

Application

**EP 90440014 A 19900220**

Priority

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Abstract (en)

[origin: EP0437155A1] The invention relates to a method for atomising a liquid solution by ultrasound as well as a micro-droplet diffuser for the vaporisation of a liquid solution intended especially for forming a spray of disinfecting substances for aseptisation of medical premises. According to the invention, the ultrasound (3) is generated within a bath (1) of the liquid solution to be vaporised and the ultrasonic waves (3) are focused in order that they concentrate in a zone (4) of the surface of the bath (1). Thus, a fountain (5) is created in which micro-bubbles (7) burst in order to create a spray (6) of atomised liquid. <IMAGE>

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IPC 8 full level

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Cited by

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