

Title (en)

MICROSTRUCTURED APPARATUS FOR HEATING AND ATOMIZING A FLUID

Title (de)

MIKROSTRUKTURAPPARAT ZUM ERHITZEN UND ZERSTÄUBEN EINES FLUIDS

Title (fr)

APPAREIL A MICROSTRUCTURE DESTINÉ A CHAUFFER ET PULVÉRISER UN FLUIDE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004013556A1] The invention relates to a microstructured apparatus for heating a fluid, comprising an inner tube (1), or a body with an external surface and a heating system, an external tube (2), arranged concentrically around the above with an internal surface, connections (4) for the fluid and a microstructure (5) completely filling a volume between the inner and outer tube in a sealing manner with formation of at least one channel. The aim of the invention is to disclose a microstructured apparatus for heating fluids, characterised by a heating element of simple construction.

IPC 8 full level

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Citation (examination)

- FR 2256389 A1 19750725 - VARIAN ASSOCIATES [US]
- US 2445115 A 19480713 - HANRAHAN FRANCIS P

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