

Title (en)

DEVICE AND METHOD FOR HEATING AND/OR VAPORISATION OF FLUID OR GASEOUS MEDIA

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ERHITZEN UND/ODER VERDAMPFEN FLÜSSIGER ODER GASFÖRMIGER MEDIEN

Title (fr)

DISPOSITIF ET PROCEDE DE CHAUFFAGE ET/OU D'EVAPORATION DE MILIEUX LIQUIDES OU GAZEUX

Publication

**EP 1261993 A2 20021204 (DE)**

Application

**EP 01925289 A 20010219**

Priority

- DE 0100700 W 20010219
- DE 10010400 A 20000228

Abstract (en)

[origin: DE10010400A1] A heating device (30) is formed from one or more layers (31) for providing the heat energy to heat or evaporate the medium. The heating device is designed so that the surface temperatures of flow channels can be set independently in individual regions (23,24,25). Flow layers (21) are formed using microstructure technology, and the flow channel is formed as a micro-channel. Independent claims are included for a method for heating and/or evaporating liquid or gaseous media, and for the use of the apparatus and/or method for heating and/or evaporating fuel. [origin: DE10010400A1] A heating device (30) is formed from one or more layers (31) for providing the heat energy to heat or evaporate the medium. The heating device is designed so that the surface temperatures of flow channels can be set independently in individual regions (23,24,25). Flow layers (21) are formed using microstructure technology, and the flow channel is formed as a micro-channel. Independent claims are included for a method for heating and/or evaporating liquid or gaseous media, and for the use of the apparatus and/or method for heating and/or evaporating fuel.

IPC 1-7

**H01M 8/04**; **F28D 9/00**; **B01J 19/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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