

Title (en)

Device for vaporising and/or nebulising a liquid

Title (de)

Vorrichtung zum Verdampfen und/oder Vernebeln einer Flüssigkeit

Title (fr)

Dispositif de vaporisation et/ou de nébulisation d'un liquide

Publication

EP 0878242 B1 20041006 (DE)

Application

EP 98108814 A 19980514

Priority

- DE 19720428 A 19970515
- DE 19734232 A 19970711
- DE 19807592 A 19980223

Abstract (en)

[origin: EP0878242A2] The fluid (17) is located in a vessel and vaporised by a heatable heating element so that the ensuing dry hot steam flows out under increased pressure from a housing through holes. The hot steam is condensed through cooling in the surrounding air into the smallest drops to produce the mist. The heating element can be heated by pyrotechnical heating mixture, electricity, heat pump. The heating element forms part of a heating system and thermal energy can be introduced into the heating element through a liquid heat carrier such as a melted or vaporised substance. The heating mixture can be electrically activated by passing current through a graphite or carbon core or thin metal wire.

IPC 1-7

B05B 17/04; **F41H 9/08**; **G08B 15/02**

IPC 8 full level

B05B 17/04 (2006.01); **F41H 9/06** (2006.01); **F41H 9/08** (2006.01); **G08B 15/02** (2006.01)

CPC (source: EP)

B05B 17/04 (2013.01); **F41H 9/06** (2013.01)

Cited by

DE10126273A1; CN102861694A; EP2259004A1; DE10126272C2; US11425929B2; WO2014186947A1; WO02097358A1

Designated contracting state (EPC)

AT CH DE FR IT LI NL

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EP 0878242 A2 19981118; **EP 0878242 A3 19990901**; **EP 0878242 B1 20041006**; AT E278476 T1 20041015; DE 59812061 D1 20041111

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