

Title (en)
Vaporising device for liquid fuels

Title (de)
Vorrichtung zum Verdampfen von flüssigen Brennstoffen

Title (fr)
Dispositif de vaporisation pour combustibles liquides

Publication
EP 0905447 B1 20021127 (DE)

Application
EP 98117444 A 19980915

Priority
DE 19743087 A 19970930

Abstract (en)
[origin: EP0905447A2] The evaporator has an electrically heated capillary tube (10) with a bore diameter (d) of 0.3-2.0 mm, a length (L) of 500-3000 times the bore diameter, and a wall thickness of 2.0-0.5 times the bore diameter, in which the liquid fuel is evaporated. The chrome-nickel steel tube can be helically- or spirally-wound and can be electrically heated with a directly applied voltage no greater than about 50 V, or indirectly by a resistance heater element.

IPC 1-7
F23K 5/22; F23K 5/20; F23D 11/44; B01D 1/00; F23D 11/40

IPC 8 full level
B01D 1/00 (2006.01); **F23D 11/40** (2006.01); **F23D 11/44** (2006.01); **F23K 5/20** (2006.01); **F23K 5/22** (2006.01)

CPC (source: EP)
F23D 11/408 (2013.01); **F23D 11/448** (2013.01); **F23K 5/22** (2013.01)

Cited by
CN100430648C; EP2278223A1; CN113925208A; US7914280B2; US8502064B2; US7313916B2; US7177535B2; WO2005003547A1; WO03083367A3; WO2004068593A3

Designated contracting state (EPC)
AT CH DE DK FR IT LI

DOCDB simple family (publication)
EP 0905447 A2 19990331; **EP 0905447 A3 19991124**; **EP 0905447 B1 20021127**; AT E228631 T1 20021215; DE 19743087 A1 19990527; DE 59806423 D1 20030109; DK 0905447 T3 20030407

DOCDB simple family (application)
EP 98117444 A 19980915; AT 98117444 T 19980915; DE 19743087 A 19970930; DE 59806423 T 19980915; DK 98117444 T 19980915