

Title (en)

OIL BURNER ARRANGEMENT FOR FIELD RANGES

Publication

**EP 0097315 B1 19870318 (DE)**

Application

**EP 83105830 A 19830614**

Priority

- DE 3223108 A 19820621
- DE 3238722 A 19821019

Abstract (en)

[origin: EP0097315A2] 1. Oil burner arrangement for field ranges with a fuel container (14) with a fuel supply line (16, 20, 21) supplying the fuel to a main burner (5) and with a vaporiser (2) heatable by the main burner arranged in the fuel supply line, with a spraying fuel injector being arranged at the inlet end of the vaporiser introducing the oil in the form of a cloud of oil vapour, characterized in that there is associated with the vaporiser (2) a starter mixing fuel injector (7) heating it up at the beginning of operation, which contains a burner nozzle (39a), a fuel chamber (38) arranged before the inlet to the burner nozzle, an air injection nozzle (34) opening into the fuel chamber, arranged centrally with respect to the burner nozzle, and a perforated burner tube (31) surrounding the burner nozzle.

IPC 1-7

**F23D 11/44**; **F24C 5/02**; **F24C 5/20**; **F24C 3/12**

IPC 8 full level

**F23D 11/42** (2006.01); **F23D 11/44** (2006.01); **F23K 5/14** (2006.01); **F24C 5/20** (2006.01)

CPC (source: EP US)

**F23D 11/42** (2013.01 - EP); **F23D 11/443** (2013.01 - EP US); **F23K 5/147** (2013.01 - EP); **F24C 5/02** (2013.01 - EP US); **F24C 5/20** (2013.01 - EP US)

Cited by

DE102006034479B4; EP0612941A1; DE10360009A1; EP1544543A3; EP0413214A3

Designated contracting state (EPC)

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