

Title (en)

OIL PREHEATING DEVICE FOR A BURNER OF THE PRESSURE ATOMIZING TYPE

Publication

EP 0495402 A3 19921223 (DE)

Application

EP 92100316 A 19920110

Priority

AT 7591 A 19910116

Abstract (en)

[origin: EP0495402A2] An oil preheating device for a burner of the pressure atomising type, in particular for preheating fuel oil of low viscosity (at 20 DEG C < 2 Engler or 11.8 cSt.). It has a block (1) which conducts heat well and into which a cylindrically designed electric heating element (3) with connection lines (6) is inserted. The heating element (3) and the block (1) are in flat contact. A helically-running oil supply line is provided, which is formed by a groove. The heating element (3), which is preferably a PTC resistance heating element, can be inserted into the block (1) from the nozzle side and is covered by a closure cap (7). The block (1) has a lateral passage (5) for the connection cable (6). The oil supply line is situated on the outer jacket of the block (1) which is inserted, preferably pressed, in a fitted manner into a separate nozzle support (9) made of material which conducts heat well. <IMAGE>

IPC 1-7

F23D 11/44; H05B 3/14

IPC 8 full level

F23D 11/44 (2006.01); **F24H 1/12** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] DE 8703952 U1 19870709
- [AD] DE 2846282 C2 19820826

Cited by

DE102004055436A1; DE102004055436B4; EP0997685A3; US7158718B2; WO0197566A1

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