

Title (en)

BURNER FOR THE COMBUSTION OF LIQUID FUEL

Publication

EP 0287596 B1 19900328 (DE)

Application

EP 87906554 A 19871013

Priority

AT 285586 A 19861027

Abstract (en)

[origin: WO8803249A1] The fuel and air are brought together in a cylindrical mixing chamber (1), in which a depression can be created. The air is fed into the mixing chamber (1) via lateral openings in the housing (2) of said chamber, from an air chamber (6) surrounding the mixing chamber (1). A cyclone is produced in the latter and the fuel is admitted to said chamber (1) along its longitudinal center axis. The housing (2) of the mixing chamber (1) can be heated by at least one electric resistance heating element (3). The length of the mixing chamber (1) is greater than its diameter, and the lateral openings extend at least approximately over the whole length of the housing (2) and are slots (5) or bores (4) which open tangentially into the mixing chamber (1).

IPC 1-7

F23D 11/10; **F23D 11/40**; **F23D 11/44**

IPC 8 full level

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CPC (source: EP)

F23D 11/005 (2013.01); **F23D 11/103** (2013.01); **F23D 11/402** (2013.01); **F23D 11/448** (2013.01)

Citation (examination)

- Patent Abstracts of Japan, vol. 8, No: 154 (M-310) (1591), 18 July 1984, & JP, A , 5949417
- NTIS Technical Notes, No: 9, part C, September 1984, Technical Information Center, (Oak Ridge, Tennessee, US) "Oil burner with nearly stoichiometric combustion", page 623, see the whole document

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