

Title (en)
POT BURNER FOR LIQUID FUEL

Publication
EP 0189445 B1 19871014 (DE)

Application
EP 85903266 A 19850628

Priority
DE 3424069 A 19840629

Abstract (en)
[origin: WO8600388A1] The pot burner comprises a cylindrical circular combustion chamber (10) with openings (60, 62, 64) arranged in the wall for the supply of combustion air, and with an inlet opening into the bottom (32) for the liquid fuel. Concentrically with respect to the combustion chamber (10), there are provided a first basket (28) of a smaller diameter and a second basket (42) of a larger diameter at the circular outlet (18) for the combustion gases. While the first basket is closed by an upper cover wall (26), the second basket (42) is upwardly closed by a ring cover wall situated at a lower level. The second basket (42) is divided by means of a perforated bush (46) into an upper annular chamber (36) and a lower annular chamber (38). The bottom (14) closing downwardly the combustion chamber (10) is covered with a screen (82) preventing cold combustion air flowing in the burner from cooling the bottom (14).

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F23D 5/04; F24C 5/02

IPC 8 full level
F23D 5/04 (2006.01); **F24C 5/02** (2006.01)

CPC (source: EP US)
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Citation (examination)

- Patents Abstracts of Japan, Band 3, Nr. 33 (M52) 20, März 1979
- Patents Abstracts of Japan, Band 4, Nr. 9, (M89) 23. Januar 1980

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DE 3424069 A1 19860102; DE 3424069 C2 19870115; AU 4606385 A 19860124; AU 569458 B2 19880128; CA 1246433 A 19881213; DK 270885 A 19851230; DK 270885 D0 19850614; EP 0189445 A1 19860806; EP 0189445 B1 19871014; FI 852558 A0 19850627; FI 852558 L 19851230; JP S61502556 A 19861106; NO 157552 B 19871228; NO 157552 C 19880406; NO 852628 L 19851230; NZ 212549 A 19870306; SE 459989 B 19890828; SE 8502805 D0 19850606; SE 8502805 L 19851230; US 4674974 A 19870623; WO 8600388 A1 19860116

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