

Title (en)  
BURNER HEAD FOR A COMBUSTION CHAMBER

Publication  
**EP 0003000 B1 19810805 (FR)**

Application  
**EP 78810027 A 19781204**

Priority  
CH 1597477 A 19771223

Abstract (en)  
[origin: ES476240A1] A combustion head for a fluid fuel, particularly a liquid fuel, which is burnt particularly in the presence of a gas having an oxygen concentration substantially less than that of air, comprises, adjacent to the actual burner, a generally cylindrical box containing an inlet aperture designed to create a substantial pressure drop on injecting the oxygen-containing gas into the box, and a disc situated at the outlet of the box and dimensioned to create a second and lower pressure drop. The intense combustion produced in the box heats its walls to a temperature substantially above the final point of the distillation curve for the fuel, so preventing coke deposition.

IPC 1-7  
**F23D 11/40**; **F23C 7/00**

IPC 8 full level  
**F23C 3/00** (2006.01); **F23C 7/00** (2006.01); **F23D 11/24** (2006.01); **F23C 99/00** (2006.01); **F23D 11/40** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)  
**F23C 7/004** (2013.01 - EP US); **F23D 11/404** (2013.01 - EP US); **F23C 2202/40** (2013.01 - EP US); **F23D 2900/00016** (2013.01 - EP US)

Cited by  
US5466148A; US4431403A; EP1363071A1; FR2536505A1; US10953643B2

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**EP 0003000 A1 19790711**; **EP 0003000 B1 19810805**; CA 1115200 A 19811229; CH 617998 A5 19800630; DE 2860921 D1 19811105; DK 577278 A 19790624; ES 476240 A1 19791001; IT 7831195 A0 19781221; JP S5494127 A 19790725; NO 147615 B 19830131; NO 147615 C 19830511; NO 784338 L 19790626; US 4225305 A 19800930

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**EP 78810027 A 19781204**; CA 318486 A 19781222; CH 1597477 A 19771223; DE 2860921 T 19781204; DK 577278 A 19781222; ES 476240 A 19781221; IT 3119578 A 19781221; JP 15698978 A 19781221; NO 784338 A 19781221; US 96700578 A 19781206