

Title (en)

FLAME TRAP APPARATUS FOR USE ON GAS OR OIL BURNERS

Publication

EP 0040749 A3 19820818 (EN)

Application

EP 81103593 A 19810511

Priority

IT 8556580 A 19800523

Abstract (en)

[origin: EP0040749A2] The invention relates to a flame trap apparatus for use on gas or oil burners. The device comprises a preferably cylindrical tubular body (10) adapted to form, in use, an extension of the flame emitting head (80) of a burner, and an intercepting element (30) located inside the tubular body (10) and defining a narrow peripheral passage (13) therewith. The flame trap device limits a chamber (15) close to the head (80). Within the chamber (15), the flame generated by the burner hits the intercepting element (30). The combustion gases are thus deflected from their path and compelled to thoroughly mix, partly strike the inner wall of the tubular body (10), and then flow toward the passage (13).

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F23M 9/06; **F23D 11/40**

IPC 8 full level

F23D 11/40 (2006.01); **F23M 9/06** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X] DE 2810193 A1 19790913 - SWOBODA WALTER
- [X] DE 2108880 A1 19720831 - HEIMBERGER W, et al

Cited by

FR2558570A1; WO8700605A1; WO8500051A1

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