

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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IPC 8 full level

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CPC (source: EP)

**F23D 11/404** (2013.01); **F23M 9/06** (2013.01)

Citation (search report)

- [X] DE 2810193 A1 19790913 - SWOBODA WALTER
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FR2558570A1; WO8700605A1; WO8500051A1

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