

Title (en)

Burner for fluid or gas fuel, in particular for oil

Title (de)

Brenner für flüssigen oder gasförmigen Brennstoff, insbesondere für Öl

Title (fr)

Brûleur pour combustible fluide ou gazeux, en particulier pour mazout

Publication

EP 0789189 A3 19990210 (DE)

Application

EP 96118804 A 19961123

Priority

DE 19604347 A 19960207

Abstract (en)

[origin: EP0789189A2] The burner has a liquid or gaseous fuel, which is especially oil, and which is fed by a nozzle which is surrounded by a concentric opening. The latter supplies air to the outlet region of the nozzle. The burner has equipment which imparts a rotation to the air which leaves from the opening. The equipment may be a swirl chamber (11) with a central outlet opening (12) and at least one inlet opening (14) for air, and the latter opening may be at least partly arranged radially outside the outlet opening, and may be at least partly aligned in the circumferential direction.

IPC 1-7

F23D 11/40

IPC 8 full level

F23D 11/40 (2006.01)

CPC (source: EP)

F23D 11/40 (2013.01); **F23D 2900/11402** (2013.01); **F23D 2900/11403** (2013.01)

Citation (search report)

- [XY] DE 29518919 U1 19960125 - MEKU METALLVERARBEITUNG [DE]
- [Y] US 3946552 A 19760330 - WEINSTEIN BARRY, et al
- [Y] DE 4415717 A1 19951109 - MAN B & W DIESEL AG [DE]
- [Y] DE 3930569 A1 19910321 - SCHILLING SIEGFRIED W [CH]
- [X] DE 4010360 A1 19911002 - ERAT PETER [DE], et al

Cited by

EP1916475A3; EP3638950A4

Designated contracting state (EPC)

AT CH DE IT LI NL

DOCDB simple family (publication)

EP 0789189 A2 19970813; **EP 0789189 A3 19990210**; **EP 0789189 B1 20031112**; AT E254262 T1 20031115; DE 19604347 A1 19970814; DE 59610817 D1 20031218

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