

Title (en)

Burner with catalytic combustion in porous material and bottle equipped with the same

Title (de)

Brenner mit katalytischer Verbrennung in porösem Material und mit einem solchen Brenner ausgerüstete Flasche

Title (fr)

Brûleur à combustion catalytique en matière poreuse et flacon équipé d'un tel brûleur

Publication

**EP 1491818 A1 20041229 (FR)**

Application

**EP 04291475 A 20040611**

Priority

FR 0307765 A 20030627

Abstract (en)

The burner has a peripheral zone (16) which supports a catalyst (7) and surrounds a central zone (18) without the catalyst forming a vaporization zone. The zones (16, 18) are situated in an upper part (13b) of the burner. A peripheral surface (13a) in the tapered form widens out towards the top. An axial annular throat (19) extends from an upper surface (13e) and separates the zones. An independent claim is also included for a catalytic combustion flask.

IPC 1-7

**F23C 11/00**; **F23D 3/02**

IPC 8 full level

**F23C 99/00** (2006.01); **F23D 3/08** (2006.01); **F23C 13/00** (2006.01); **F23D 3/02** (2006.01); **F23D 3/18** (2006.01); **F23D 3/24** (2006.01); **F23D 3/40** (2006.01); **F23Q 11/00** (2006.01); **A61L 9/03** (2006.01)

IPC 8 main group level

**F23D** (2006.01)

CPC (source: EP KR US)

**F23C 13/00** (2013.01 - EP US); **F23D 3/02** (2013.01 - EP KR US); **F23D 2900/03081** (2013.01 - EP US); **F23D 2900/31002** (2021.05 - EP US); **F23D 2900/31004** (2021.05 - EP US)

Citation (search report)

- [DA] US 6537061 B1 20030325 - GOMEZ CORINNE [FR], et al
- [DA] EP 0277875 A1 19880810 - BERGER PRODUITS [FR]
- [A] FR 2821749 A1 20020913 - 3E DEGRE SA [FR]

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DOCDB simple family (publication)

**EP 1491818 A1 20041229**; **EP 1491818 B1 20060823**; AT E337522 T1 20060915; CA 2470072 A1 20041227; CA 2470072 C 20080819; CN 1271368 C 20060823; CN 1576693 A 20050209; DE 04291475 T1 20050623; DE 602004002037 D1 20061005; DE 602004002037 T2 20070215; ES 2238209 T1 20050901; ES 2238209 T3 20070416; FR 2856775 A1 20041231; FR 2856775 B1 20050819; HK 1056485 A2 20040130; HK 1072098 A1 20050812; JP 2005016925 A 20050120; JP 3814601 B2 20060830; KR 100717614 B1 20070515; KR 20050005706 A 20050114; MY 136766 A 20081128; PT 1491818 E 20061229; SG 126733 A1 20061129; TW 200500572 A 20050101; TW I232918 B 20050521; US 2005037309 A1 20050217; US 7241136 B2 20070710

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