

Title (en)
Burner element

Title (de)
Brennerelement

Title (fr)
Élément de brûleur

Publication
EP 0816757 A3 19990331 (DE)

Application
EP 97109528 A 19970612

Priority
DE 19627103 A 19960705

Abstract (en)
[origin: DE19627103C1] The burner comprises the flat ceramic components contain a large number of channels (19) in their surfaces for the passage of the fuel-air mixture, and are assembled together so as to form a closed polygonal passage. They can be radiused at their adjacent edges along the outside surface (7), while they are concave at their inside surfaces (18). Alternatively they can be chamfered, and they can be glued together using a temperature-resistant adhesive, or a ceramic seal in mat form.

IPC 1-7
F23D 14/16

IPC 8 full level
F23D 14/14 (2006.01); **F23D 14/16** (2006.01); **F23D 14/46** (2006.01)

CPC (source: EP US)
F23D 14/145 (2013.01 - EP US); **F23D 14/46** (2013.01 - EP); **F23D 2203/102** (2013.01 - EP); **F23D 2203/105** (2013.01 - EP); **F23D 2212/10** (2013.01 - EP); **F23D 2213/00** (2013.01 - EP)

Citation (search report)

- [XY] DE 1815256 A1 19700709 - SCHWANK GASGERAETE GMBH
- [Y] FR 2051066 A5 19710402 - SCHWANK GMBH
- [YA] US 5085579 A 19920204 - MOORE JR HENRY J [US], et al
- [Y] US 4569657 A 19860211 - LASPEYRES MARC [FR]
- [X] FR 2503836 A1 19821015 - VANECKE SOLARONICS [FR]
- [PX] EP 0774623 A1 19970521 - DEJATECH BV [NL]

Cited by
ITPN20100034A1; CN103851619A; EP0950853A2; WO2009065733A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 19627103 C1 19970724; DE 59712400 D1 20050929; EP 0816757 A2 19980107; EP 0816757 A3 19990331; EP 0816757 B1 20050824; ES 2248828 T3 20060316

DOCDB simple family (application)
DE 19627103 A 19960705; DE 59712400 T 19970612; EP 97109528 A 19970612; ES 97109528 T 19970612