

Title (en)  
Small combustion device for domestic use

Title (de)  
Kleinf Feuerung für den häuslichen Nutzungsbereich

Title (fr)  
Petit appareil de combustion pour l'usage domestique

Publication  
**EP 0794384 A3 19990203 (DE)**

Application  
**EP 97100752 A 19970118**

Priority  
DE 19604585 A 19960208

Abstract (en)  
[origin: EP0794384A2] The small capacity gas burner is for domestic use. It has a pipe (5) bringing pre-mixed gas and air to a burner plate (7) with a large number of holes (8) in it. The air-gas mixture steams through these holes and burns on the downstream side. The burner plate may be heated to help stabilise the flames (2). The plate may be heated by circulating hot flue-gases round it, electric heating or a ceramics plate to reflect heat back towards the burner plate. A second burner plate (4) may be mounted over the first one. It has a series of holes in it (3) which match the holes in the first plate.

IPC 1-7  
**F23D 14/02**; **F23D 14/46**

IPC 8 full level  
**F23D 14/02** (2006.01); **F23D 14/46** (2006.01)

CPC (source: EP)  
**F23D 14/02** (2013.01); **F23D 14/46** (2013.01); **F23D 2209/20** (2013.01); **F23D 2210/00** (2013.01)

Citation (search report)

- [XY] US 3805763 A 19740423 - COWAN E
- [Y] DE 1551790 A1 19700527 - GOCH HEINZ
- [A] US 4397631 A 19830809 - FISHER LEONARD A
- [PA] PATENT ABSTRACTS OF JAPAN vol. 096, no. 009 30 September 1996 (1996-09-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 107 (M - 0942) 27 February 1990 (1990-02-27)

Cited by  
EP2310743B1

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

DOCDB simple family (publication)  
**EP 0794384 A2 19970910**; **EP 0794384 A3 19990203**; **EP 0794384 B1 20021120**; AT E228226 T1 20021215; DE 19604585 A1 19970814; DE 59708741 D1 20030102

DOCDB simple family (application)  
**EP 97100752 A 19970118**; AT 97100752 T 19970118; DE 19604585 A 19960208; DE 59708741 T 19970118