

## Title (en)

Flameholder for gas burner and burner comprising such flameholder

## Title (de)

Flammenhalter für Gasbrenner und Brenner mit einem solchen Flammenhalter

## Title (fr)

Dispositif d'accrochage de flammes pour brûleur à gaz et brûleur muni d'un tel dispositif

## Publication

**EP 0840061 A1 19980506 (FR)**

## Application

**EP 97402491 A 19971021**

## Priority

FR 9613402 A 19961104

## Abstract (en)

The flame spreader (1) contains a set of rings (2) made from knitted metal wire with non-porous spacers (20) between them. These have internal diameters which are more or less equal to those of the rings, while their outer diameters are smaller. The spacers are thinner than the metal wire rings, and the difference between their outer diameters is equivalent to the spacers' thickness. The two end rings in the set have collars (132,232) which cover some four fifths of their outer surfaces, while the free end of the stack is closed by a blank cover (26) made from a heat resistant material. The burner also has a gas distribution chamber (81) fed with combusive air and fuel gas, connected to a combustion chamber (82) containing the flame spreader.

## Abstract (fr)

L'invention se rapporte à brûleur (80) à mélange de gaz équipé d'un dispositif d'accrochage de flamme (1). Ce dispositif comprend, dans sa structure, un réseau comprimé de fil(s) métallique(s) souple(s) entrelacé(s) pour la circulation à travers elle desdits gaz, et a la forme d'un anneau (2), caractérisé en ce qu'il est constitué d'un empilement sensiblement coaxial d'au moins deux dits anneaux (2). Un tel dispositif peut notamment être utilisée pour être monté sur des brûleurs domestiques cylindriques. <IMAGE>

## IPC 1-7

**F23D 14/26**; **F23D 14/02**; **F23D 14/58**

## IPC 8 full level

**F23D 14/02** (2006.01); **F23D 14/26** (2006.01); **F23D 14/58** (2006.01)

## CPC (source: EP US)

**F23D 14/02** (2013.01 - EP US); **F23D 14/26** (2013.01 - EP US); **F23D 14/583** (2013.01 - EP US); **F23D 2203/1012** (2013.01 - EP US); **F23D 2203/105** (2013.01 - EP US); **F23D 2212/201** (2013.01 - EP US); **F23D 2900/00019** (2013.01 - EP US)

## Citation (applicant)

- EP 0635677 A1 19950125 - GAZ DE FRANCE [FR]
- JP S58205012 A 19831129 - HARAYAMA IWAO

## Citation (search report)

- [A] US 3144073 A 19640811 - COREY RONALD D
- [A] EP 0636837 A2 19950201 - GEN ELECTRIC [US]
- [AD] EP 0635677 A1 19950125 - GAZ DE FRANCE [FR]
- [A] GB 2231949 A 19901128 - BURCO DEAN APPLIANCES LTD [GB]

## Cited by

DE102005044494B3; DE10233340A1; DE10233340B4; WO2004016987A1

## 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)

**EP 0840061 A1 19980506**; **EP 0840061 B1 20020123**; AT E212428 T1 20020215; CA 2220410 A1 19980504; CA 2220410 C 20070619; DE 69710023 D1 20020314; DE 69710023 T2 20020822; DK 0840061 T3 20020422; ES 2171862 T3 20020916; FR 2755500 A1 19980507; FR 2755500 B1 19981211; PT 840061 E 20020628; US 5989015 A 19991123

## DOCDB simple family (application)

**EP 97402491 A 19971021**; AT 97402491 T 19971021; CA 2220410 A 19971103; DE 69710023 T 19971021; DK 97402491 T 19971021; ES 97402491 T 19971021; FR 9613402 A 19961104; PT 97402491 T 19971021; US 96122797 A 19971030