

Title (en)
Premix gas burner

Title (de)
Vormischbrenner

Title (fr)
Brûleur à prémélange gazeux

Publication
EP 1030107 A1 20000823 (EN)

Application
EP 00103279 A 20000217

Priority
IT MO990026 A 19990218

Abstract (en)
A burner comprising at least one body (1) for mixing and distributing a mixture of gaseous fuel and air, said body being provided with a Venturi tube (2), arranged at the inside of the body, into which a mixture of gaseous fuel and air is introduced, and comprising a diffuser element (3) provided with apertures (7) through which said mixture flowing out of the Venturi tube (2) is discharged, said body (1) being provided at its upper end with a flange by means of which said diffuser element (3) is coupled with said body (1); said diffuser element (3) is provided with a peripheral rim (6) so dimensioned as to be capable of being clinched onto said flange. <IMAGE>

IPC 1-7
F23D 14/58; **F23D 14/10**

IPC 8 full level
F23D 14/10 (2006.01); **F23D 14/58** (2006.01)

CPC (source: EP)
F23D 14/105 (2013.01); **F23D 14/583** (2013.01); **F23D 2209/20** (2013.01); **F23D 2213/00** (2013.01)

Citation (applicant)
• EP 0695911 A1 19960207 - WORGAS BRUCIATORI SRL [IT]
• EP 0373157 A1 19900620 - WORGAS BRUCIATORI SRL [IT]
• EP 0537244 A1 19930421 - WORGAS BRUCIATORI SRL [IT]

Citation (search report)
• [XY] US 3177923 A 19650413 - HINE JR LOUIS P, et al
• [DY] EP 0695911 A1 19960207 - WORGAS BRUCIATORI SRL [IT]
• [Y] WO 9849495 A1 19981105 - WORGAS BRUCIATORI SRL [IT], et al
• [X] DE 19724806 A1 19971218 - VAILLANT JOH GMBH & CO [DE]
• [A] DE 29614706 U1 19961002 - VAILLANT JOH GMBH & CO [DE]
• [A] WO 9105206 A1 19910418 - BRAY BURNERS LTD [GB]

Cited by
GB2616620A; ITMO20120281A1; US2014011143A1; US9134033B2; RU2618137C1; CN110513681A; EP3412967A1; IT201700062155A1; WO2014076675A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 1030107 A1 20000823; **EP 1030107 B1 20040428**; DE 60010151 D1 20040603; DE 60010151 T2 20050127; IT 1310175 B1 20020211; IT MO990026 A0 19990218; IT MO990026 A1 20000818

DOCDB simple family (application)
EP 00103279 A 20000217; DE 60010151 T 20000217; IT MO990026 A 19990218