

Title (en)
IMPROVED BURNER FOR THE COMBUSTION OF FLUID FUELS

Publication
EP 0538761 A3 19930630 (EN)

Application
EP 92117815 A 19921019

Priority
IT VI910166 A 19911025

Abstract (en)
[origin: EP0538761A2] According to the invention the burner for the combustion of combustible fluids foresees below the atomizing nozzle (2) and in correspondence with the area of the combustion flue a plurality of slits (8, 68, 78) which are aligned along their longer axis in the circumferential direction of the combustion flue and are arranged in one or more rows near the area of maximum depression. According to a preferred embodiment , the slits are made in the combustion flue. According to another embodiment the slits (78) are made in correspondence with the transversal cross-section, wherein the combustion flue (75) joins the inlet duct (74). According to another embodiment the slits (68) are made in a ring-shaped crown arranged in correspondence with the transversal cross-section, wherein the combustion flue (65) joins the inlet duct (64). <IMAGE>

IPC 1-7
F23C 9/00; **F23D 11/40**

IPC 8 full level
F23C 9/00 (2006.01); **F23D 11/40** (2006.01)

CPC (source: EP)
F23C 9/006 (2013.01); **F23D 11/404** (2013.01)

Citation (search report)
• [YD] EP 0410135 A1 19910130 - ELCO OEL & GASBRENNER [CH]
• [Y] DE 3017050 C2 19830324

Cited by
EP1030106A2

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

DOCDB simple family (publication)
EP 0538761 A2 19930428; **EP 0538761 A3 19930630**; **EP 0538761 B1 19970108**; AT E147495 T1 19970115; DE 69216535 D1 19970220; DE 69216535 T2 19970703; ES 2096694 T3 19970316; IT 1253128 B 19950710; IT VI910166 A0 19911025; IT VI910166 A1 19930425

DOCDB simple family (application)
EP 92117815 A 19921019; AT 92117815 T 19921019; DE 69216535 T 19921019; ES 92117815 T 19921019; IT VI910166 A 19911025