

Title (en)
Burner with exhaust recirculation

Title (de)
Brenner mit Abgasrückführung

Title (fr)
Brûleur à recirculation de fumées

Publication
EP 1074790 B1 20041124 (FR)

Application
EP 00430026 A 20000727

Priority
FR 9910296 A 19990804

Abstract (en)
[origin: EP1074790A1] Gas burner (1) has central conduits for gas (100) and liquid (10) combustible, surrounded by an air conduit (2) and additional gas conduits (13) running through the air conduit. Exhaust gases conduits (22) are fixed on the exterior face of the air conduit by linkage (101), which has heat transfer properties. An Independent claim is also included for the heater of turbine exhaust gases using the new burner.

IPC 1-7
F23C 9/08; **F23D 17/00**; **F23D 14/78**

IPC 8 full level
F23C 9/08 (2006.01); **F23D 14/78** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP)
F23C 9/08 (2013.01); **F23D 14/78** (2013.01); **F23D 17/002** (2013.01); **F23C 2202/20** (2013.01); **F23C 2202/40** (2013.01)

Cited by
EP1980788A1; CN112303621A; IT202000028394A1; CN110360559A; CN103277795A; CN109631036A; CN110594743A; FR2914398A1; CN116379431A; WO2022113000A3; WO2007134580A1

Designated contracting state (EPC)
DE ES GB IT NL

DOCDB simple family (publication)
EP 1074790 A1 20010207; **EP 1074790 B1 20041124**; DE 60016106 D1 20041230; DE 60016106 T2 20051201; FR 2797321 A1 20010209; FR 2797321 B1 20011026

DOCDB simple family (application)
EP 00430026 A 20000727; DE 60016106 T 20000727; FR 9910296 A 19990804