

Title (en)  
ATMOSPHERIC GAS BURNER

Publication  
**EP 0284011 A3 19881130 (DE)**

Application  
**EP 88104526 A 19880322**

Priority  
DE 3709597 A 19870324

Abstract (en)  
[origin: EP0284011A2] To reduce the oxygen partial pressure and thus to reduce the nitric oxide formation, waste gas is to be supplied to an atmospheric gas burner (waste gas recycling). This takes place in a common air channel (5) for the primary air with an adjustable or calibrated incoming air opening (5a) and with waste gas intakes (5b, 5c), which opens into the suction region of the fuel between burner nozzle (2) and burner pipe (3). <IMAGE>

IPC 1-7  
**F23C 9/00**; **F23D 14/10**

IPC 8 full level  
**F23C 9/00** (2006.01); **F23D 14/10** (2006.01)

CPC (source: EP)  
**F23C 9/00** (2013.01); **F23D 14/105** (2013.01)

Citation (search report)

- [Y] DE 8520263 U1 19851205
- [Y] US 1609150 A 19261130 - BREESE JR JAMES L
- [A] GB 1418867 A 19751224 - IMP METAL IND KYNOCH LTD
- [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 223 (M-411)[1946], 10. September 1985; & JP-A-60 080 011 (MATSUSHITA DENKI SANGYO K.K.) 07-05-1985

Cited by  
EP0664420A1; AU654986B2; US6247917B1; WO9208927A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0284011 A2 19880928**; **EP 0284011 A3 19881130**; DE 3709597 A1 19881006

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