

Title (en)  
Blue flame burner

Title (de)  
Blaubrenner

Title (fr)  
Brûleur à flamme bleue

Publication  
**EP 0947769 A3 20000126 (DE)**

Application  
**EP 99106458 A 19990330**

Priority  
DE 19814768 A 19980402

Abstract (en)  
[origin: EP0947769A2] The combustion air feed (1) has a deflector (5) on it end with air-passages (2) and adjacent next to a flame tube (7) open on the combustion chamber side. The flame tube has an exhaust gas return opening (6) on a level with the fuel nozzle (3) of a nozzle connection (4). The flame tube acts as a premixing and precondensing tube over most of its length. Flame stabilizers (8) are positioned at the end of the flame tube and consist of a narrowing of the cross-section of the combustion chamber side end of the flame tube.

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

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

CPC (source: EP)  
**F23C 9/006** (2013.01); **F23D 11/406** (2013.01); **F23D 2209/20** (2013.01); **F23D 2900/11402** (2013.01); **F23D 2900/11403** (2013.01)

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

DOCDB simple family (publication)  
**EP 0947769 A2 19991006**; **EP 0947769 A3 20000126**; DE 19814768 A1 19991007

DOCDB simple family (application)  
**EP 99106458 A 19990330**; DE 19814768 A 19980402