

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)

Citation (search report)
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