

Title (en)  
BURNER

Title (de)  
BRENNER

Title (fr)  
BRULEUR

Publication  
**EP 0907868 A1 19990414 (DE)**

Application  
**EP 97932774 A 19970704**

Priority  
• DE 19627203 A 19960705  
• EP 9703545 W 19970704

Abstract (en)  
[origin: DE19627203A1] The invention relates to a burner (10) for mixing and burning of at least two combustion media (28, 38, 48), in particular combustion air and a lean gas as the gaseous fuel. The burner comprises a plurality of burner nozzles which each comprise at least three pipes (20, 30, 40) arranged coaxially in relation to each other. The pipes are at a distance from each other in the radial direction to form annular clearance ducts (39, 49) through which combustion media can be conveyed into a combustion chamber. The arrangement according to the invention results in good mixing and combustion of a plurality of gaseous combustion media.

IPC 1-7  
**F23D 14/22**

IPC 8 full level  
**F23D 14/22** (2006.01)

CPC (source: EP US)  
**F23D 14/22** (2013.01 - EP US); **F23D 2900/14002** (2013.01 - EP US)

Citation (search report)  
See references of WO 9801707A1

Cited by  
DE102013019934A1; DE202014004013U1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**DE 19627203 A1 19980108; DE 19627203 C2 20001109**; BR 9710202 A 19990810; DE 59703063 D1 20010405; EP 0907868 A1 19990414; EP 0907868 B1 20010228; JP 2000514171 A 20001024; TW 354361 B 19990311; US 6019595 A 20000201; WO 9801707 A1 19980115; ZA 975661 B 19980123

DOCDB simple family (application)  
**DE 19627203 A 19960705**; BR 9710202 A 19970704; DE 59703063 T 19970704; EP 9703545 W 19970704; EP 97932774 A 19970704; JP 50477298 A 19970704; TW 86109254 A 19970701; US 21441899 A 19990105; ZA 975661 A 19970626