

Title (en)  
HIGH-TEMPERATURE BURNER

Publication  
**EP 0066570 B1 19840425 (EN)**

Application  
**EP 81900226 A 19801212**

Priority  
SE 8000333 W 19801212

Abstract (en)  
[origin: WO8202084A1] The high-temperature burner can be used for both gas and oil by simple replacement of the flame tube unit. The burner consists of a flame tube (13) preferably of metal, with air intake holes (14), a nozzle (23), inlet ducts (21, 22, 25) for air and fuel, a jacket (1) and an outlet cone (8). The flame tube is fastened into the end piece (10) of the burner and is easily replaceable. A conducting ring for reversing the flow of the inlet air through the inlet holes inwardly and backwardly towards the primary combustion zone is arranged around the Flame tube and at each air intake hole there is arranged at least one slot upstream and/or downstream for cooling the flame tube. Additional conducting rings can be arranged to amplify the cooling, and an extra jacket (50) can be arranged around the jacket (1) for circulation of water or air in the space (6) therebetween. The outlet cone (8) can also be cooled by film cooling.

IPC 1-7  
**F23R 3/06; F23C 1/08**

IPC 8 full level  
**F23D 14/22** (2006.01); **F23C 1/08** (2006.01); **F23C 3/00** (2006.01); **F23C 7/02** (2006.01); **F23D 11/24** (2006.01); **F23D 14/66** (2006.01); **F23D 14/78** (2006.01); **F23D 17/00** (2006.01); **F23M 5/00** (2006.01); **F23M 5/08** (2006.01); **F23R 3/06** (2006.01)

CPC (source: EP)  
**F23C 3/00** (2013.01); **F23C 7/02** (2013.01)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 8202084 A1 19820624**; DE 3067658 D1 19840530; EP 0066570 A1 19821215; EP 0066570 B1 19840425; JP S57501925 A 19821028; NO 152883 B 19850826; NO 152883 C 19851204; NO 822736 L 19820811

DOCDB simple family (application)  
**SE 8000333 W 19801212**; DE 3067658 T 19801212; EP 81900226 A 19801212; JP 50045781 A 19801212; NO 822736 A 19820811