

Title (en)
HIGH-TEMPERATURE BURNER

Publication
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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.

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F23R 3/06; F23C 1/08

IPC 8 full level
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