

Title (en)

TUBULAR BURNER FOR INDUSTRIAL FURNACES

Title (de)

ROHRFÖRMIGER BRENNER FÜR INDUSTRIEÖFEN

Title (fr)

BRULEUR TUBULAIRE POUR FOURS INDUSTRIELS

Publication

EP 1183482 B1 20061122 (DE)

Application

EP 00927151 A 20000505

Priority

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- EP 0004060 W 20000505

Abstract (en)

[origin: US6638058B1] A tubular burner for industrial furnaces is capable of achieving a good mixing of combustion gas and fuel. This burner contains an end section projecting into a combustion zone supplied with secondary combustion air, and several separate annular feed ducts for combustion gas and fuel bounded by tubular walls arranged coaxially one inside the other, individual nozzles being arranged in approximately annular distribution in the end wall of the combustion gas feed duct facing into the combustion zone. To achieve a good mixing of combustion gas/combustion air and fuel, at least one outer annular feed duct is constructed essentially as fuel feed duct, whilst the combustion gas feed duct equipped with individual nozzles is arranged radially inside this fuel feed duct.

IPC 8 full level

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