

Title (en)

TUBULAR FLAME BURNER

Title (de)

RÖHRENFÖRMIGER FLAMMENBRENNER

Title (fr)

BRÛLEUR À FLAMME TUBULAIRE

Publication

EP 2762779 A4 20150826 (EN)

Application

EP 12836569 A 20120928

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- JP 2012006226 W 20120928

Abstract (en)

[origin: EP2762779A1] A tubular flame burner includes a tubular combustion chamber having an open end, a fuel gas injection nozzle, and an oxygen-containing gas injection nozzle, each of the injection nozzles being disposed on a closed end side of the combustion chamber so as to be oriented in a direction tangential to an inner wall surface of the combustion chamber. The tubular flame burner further includes a temperature-adjustment gas injection nozzle and backflow preventing means, the temperature-adjustment gas injection nozzle being disposed on the open end side of the combustion chamber and injecting a temperature-adjustment gas for adjusting a temperature of a combustion exhaust gas, the backflow preventing means preventing backflow of the temperature-adjustment gas, which has been injected from the temperature-adjustment gas injection nozzle, toward the fuel gas injection nozzle.

IPC 8 full level

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Citation (search report)

- [XI] US 4687436 A 19870818 - SHIGETA TADAO [JP]
- [Y] JP 2005265394 A 20050929 - JFE STEEL KK
- [Y] JP 2007255744 A 20071004 - MITSUBISHI HEAVY IND LTD
- [A] US 3748111 A 19730724 - KLOSE W
- See references of WO 2013046708A1

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