

Title (en)

Even flow radiant burner tip.

Title (de)

Flachflamm-Strahlungsbrennermundstück.

Title (fr)

Tête du brûleur à rayonnement avec écoulement plat.

Publication

EP 0158414 A2 19851016 (EN)

Application

EP 85301042 A 19850218

Priority

US 59201384 A 19840319

Abstract (en)

A gas burner assembly (10) supported in an opening (12) in a furnace wall (14) has injected gas and/or air flowing through an inner burner tube (30) thence outwardly through a plurality of openings (44) for burning along the surface of a wall (46) thus providing a near uniform radiant heat energy to the furnace. A flow divider (50) positioned opposite the openings (44) divides the flowing gas and/or air to improve distribution, and retard flashback in the event of variations in fuel-air mixture and/or flow.

IPC 1-7

F23D 14/06; **F23D 14/12**

IPC 8 full level

F23D 14/04 (2006.01); **F23D 14/02** (2006.01); **F23D 14/12** (2006.01); **F23D 14/58** (2006.01); **F23D 14/68** (2006.01); **F23D 14/84** (2006.01)

CPC (source: EP)

F23D 14/125 (2013.01); **F23D 14/58** (2013.01); **F23D 14/84** (2013.01)

Cited by

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Designated contracting state (EPC)

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EP 0158414 A2 19851016; **EP 0158414 A3 19870121**; **EP 0158414 B1 19891004**; CA 1243937 A 19881101; DE 3573463 D1 19891109; JP H05606 B2 19930106; JP S60213715 A 19851026

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