

Title (en)  
EVEN FLOW RADIANT BURNER TIP

Publication  
**EP 0158414 A3 19870121 (EN)**

Application  
**EP 85301042 A 19850218**

Priority  
US 59201384 A 19840319

Abstract (en)  
[origin: EP0158414A2] 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)

Citation (search report)

- [Y] FR 918652 A 19470214
- [Y] FR 2115853 A5 19720707 - AIROIL BURNER
- [A] US 1754603 A 19300415 - BROWN CHARLES J
- [A] FR 1233698 A 19601012 - FOND DE MONTHERME LAVAL DIEU S
- [A] FR 1234279 A 19601017
- [AD] US 4257762 A 19810324 - ZINK JOHN S, et al

Cited by  
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Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**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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**EP 85301042 A 19850218**; CA 476596 A 19850315; DE 3573463 T 19850218; JP 5562585 A 19850319