

Title (en)

Low-NOx burner with improved operating characteristics

Title (de)

Low-NOx-Brenner mit verbessertem Betriebsverhalten

Title (fr)

Brûleur à faible émission de NOx avec caractéristique de fonctionnement amélioré

Publication

EP 0787947 A3 19981223 (DE)

Application

EP 97101355 A 19970129

Priority

DE 19603482 A 19960131

Abstract (en)

[origin: EP0787947A2] The burner assembly has a secondary gas feed (5) which opens into at least one secondary gas lance (3), so that the secondary gas emerges from at least one secondary gas lance (3) at sonic speed. A diaphragm (2) at the secondary gas lance (3) develops the secondary gas flow, at the end of the lance (3). The primary and/or secondary gas is enriched with methane to give a methane content of more than 90 vol%.

IPC 1-7

F23D 14/04; **F23C 6/04**

IPC 8 full level

F23C 6/04 (2006.01); **F23D 14/04** (2006.01)

CPC (source: EP)

F23C 6/04 (2013.01); **F23D 14/04** (2013.01); **F23C 2201/20** (2013.01); **F23C 2201/30** (2013.01); **F23D 2900/00011** (2013.01)

Citation (search report)

- [YD] GB 2224823 A 19900516 - AIROIL FLAREGAS LTD [GB]
- [Y] GB 1561119 A 19800213 - EXXON FRANCE
- [AP] EP 0751343 A1 19970102 - SELAS CORP OF AMERICA [US]

Cited by

US6796790B2; US8480394B2; WO2007088458A1; WO221044A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0787947 A2 19970806; **EP 0787947 A3 19981223**; **EP 0787947 B1 20010328**; AT E200148 T1 20010415; DE 19603482 A1 19970807; DE 59703209 D1 20010503

DOCDB simple family (application)

EP 97101355 A 19970129; AT 97101355 T 19970129; DE 19603482 A 19960131; DE 59703209 T 19970129