

Title (en)

Premixed pilot nozzle for dry low NOx combustor.

Title (de)

Kombinierter Diffusions- und Vormischpilotbrenner.

Title (fr)

Brûleur combiné à diffusion et à prémélange pour veilleuse.

Publication

EP 0269824 A2 19880608 (EN)

Application

EP 87115434 A 19871021

Priority

US 93488586 A 19861125

Abstract (en)

A dual mode, dual stage low NOx combustor, includes a primary combustion chamber and a secondary combustion chamber separated by a throat region of reduced diameter. Fuel is input into the primary combustors by an annular array of diffusion type nozzles whereas in accordance with the invention fuel is input into the secondary combustor by a central combination premix and diffusion nozzle.

IPC 1-7

F23D 11/00; **F23R 3/28**; **F23R 3/34**

IPC 8 full level

F02C 7/232 (2006.01); **F23D 11/00** (2006.01); **F23R 3/04** (2006.01); **F23R 3/28** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP)

F23D 11/005 (2013.01); **F23R 3/286** (2013.01); **F23R 3/346** (2013.01)

Cited by

US5259184A; EP0672865A3; US5318436A; EP0466466A1; DE19542644B4; DE19542644A1; EP0594127A1; US5410884A; EP0561591A3; US5435139A; EP0358437A1; US2013008167A1; EP1852655A3; US9003800B2; EP0589520A1; US5381652A; EP0488556A1; US5193346A; EP0399336A1; US5201181A; US6539721B2; US10197284B2; WO9318289A1; WO03006886A1; WO9310400A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0269824 A2 19880608; **EP 0269824 A3 19880706**; **EP 0269824 B1 19901219**; DE 3766807 D1 19910131; JP 2831641 B2 19981202; JP H01137117 A 19890530; NO 166340 B 19910325; NO 166340 C 19910703; NO 874893 D0 19871124; NO 874893 L 19880526

DOCDB simple family (application)

EP 87115434 A 19871021; DE 3766807 T 19871021; JP 28566287 A 19871113; NO 874893 A 19871124