

Title (en)

Premixed secondary fuel nozzle with integral swirler.

Title (de)

Sekundäre Vormischbrennstoffdüse mit integrierter Verwirbelungsvorrichtung.

Title (fr)

Injecteur secondaire de carburant à prémélange avec dispositif de tourbillonnement incorporé.

Publication

EP 0488556 A1 19920603 (EN)

Application

EP 91310554 A 19911115

Priority

US 61824690 A 19901127

Abstract (en)

A dual mode, dual stage low NO_x combustor (16), includes a primary combustion chamber (24) and a secondary combustion chamber (26) separated by a throat region (28) of reduced diameter. Fuel is input into the primary combustors by an annular array of diffusion type nozzles (36) whereas in accordance with the invention, fuel is input into the secondary combustor by a central combination premix and diffusion nozzle (102). A premix swirler annulus (116) is located upstream of a plurality of fuel distribution tubes (110) of the combined premix and diffusion nozzle (102).
<IMAGE>

IPC 1-7

F23R 3/34

IPC 8 full level

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CPC (source: EP)

F23R 3/346 (2013.01); **F23D 2900/00008** (2013.01)

Citation (search report)

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