

Publication

EP 0939275 A3 19990929

Application

EP 98310791 A 19981230

Priority

US 89797 A 19971230

Abstract (en)

[origin: EP0939275A2] A fuel nozzle/guide assembly for a gas turbine engine for reducing NOx emissions has a central axial inflow swirler (32) and either three concentric radial inflow swirlers (34, 62, 88) or, alternatively, two concentric radial inflow swirlers (34, 62) and a concentric array of air passages (74), for rapid uniform fuel-air mixing downstream from the fuel injector. <IMAGE>

IPC 1-7

F23C 7/00; **F23C 5/02**; **F23D 11/10**; **F23R 3/10**; **F23R 3/28**

IPC 8 full level

F02C 7/232 (2006.01); **F23C 7/00** (2006.01); **F23C 7/02** (2006.01); **F23D 11/10** (2006.01); **F23R 3/14** (2006.01); **F23R 3/58** (2006.01)

CPC (source: EP)

F23C 7/004 (2013.01); **F23C 7/02** (2013.01); **F23D 11/107** (2013.01); **F23R 3/14** (2013.01); **F23C 2900/03004** (2013.01); **F23C 2900/06043** (2013.01); **F23C 2900/07001** (2013.01); **F23D 2206/10** (2013.01); **F23D 2900/11101** (2013.01)

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