

Title (en)

Fuel nozzles and centerbodies therefor

Title (de)

Brennstoffdüsen und Zentralkörper dafür

Title (fr)

Ajutages de combustible et des corps au centre associés

Publication

EP 0849530 A2 19980624 (EN)

Application

EP 97310464 A 19971222

Priority

- US 77027796 A 19961220
- US 77146096 A 19961220

Abstract (en)

A tangential air entry fuel nozzle (10) has a combustor inlet port (20) to permit air and fuel to exit into a combustor (56). The port includes a convergent surface (116), a combustor surface, and a cylindrical surface (118) extending therebetween. The convergent surface extends a first distance along the longitudinal axis (26) of the nozzle, the cylindrical surface extends a second distance along the axis, and the second distance is at least 30% of the first distance.

IPC 1-7

F23C 7/00; **F23D 17/00**

IPC 8 full level

F23C 7/00 (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP)

F23C 7/002 (2013.01); **F23D 17/002** (2013.01); **F05B 2250/232** (2013.01); **F05B 2250/322** (2013.01); **F23C 2900/07002** (2013.01)

Citation (applicant)

US 5307634 A 19940503 - HU AARON S [US]

Cited by

CN103776060A; EP2703721A1; GB2432655A; CN104913340A; EP1293725A1; EP0924463A3; EP1340942A3; US9400105B2; US9976744B2; US7410288B1; WO0039504A1; US6625971B2; US6176087B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0849530 A2 19980624; **EP 0849530 A3 19990609**

DOCDB simple family (application)

EP 97310464 A 19971222