

Title (en)

Two stream tangential entry nozzle

Title (de)

Tangentiale Zweistrom Eintrittsdüse

Title (fr)

Ajutage d'entrée tangentiel à deux courants

Publication

**EP 0849528 A3 19990602 (EN)**

Application

**EP 97310460 A 19971222**

Priority

- US 77028196 A 19961220
- US 77028296 A 19961220

Abstract (en)

[origin: EP0849528A2] A tangential air entry fuel nozzle 10 has a combustor inlet port 20 to permit air and fuel to exit into a combustor. The port includes a convergent surface 116, a divergent surface 117, and a cylindrical surface 118 extending therebetween. The convergent surface 116 extends a first distance along the longitudinal axis of the nozzle, the cylindrical surface 118 extends a second distance along the axis, and the second distance is at least 5% of the first distance. <IMAGE>

IPC 1-7

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

IPC 8 full level

**F23C 7/00** (2006.01); **F23D 14/02** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP)

**F23C 7/002** (2013.01); **F23D 14/02** (2013.01); **F23D 17/002** (2013.01); **F23C 2900/07002** (2013.01); **F23D 2206/10** (2013.01)

Citation (search report)

- [A] WO 9619699 A1 19960627 - UNITED TECHNOLOGIES CORP [US]
- [A] WO 9523316 A1 19950831 - UNITED TECHNOLOGIES CORP [US]
- [PA] DE 19545310 A1 19970612 - ASEA BROWN BOVERI [CH]

Cited by

EP2703721A1; CN103672891A; US9400105B2

Designated contracting state (EPC)

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**EP 0849528 A2 19980624**; **EP 0849528 A3 19990602**

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