

Title (en)

Device to inject fuel in the downstream neighbourhood of air vanes

Title (de)

Vorrichtung zur Kraftstoffeinspritzung in den Strömungs-Nachlauf von Drallschaufeln

Title (fr)

Dispositif pour l'injection de fuel directement en aval des aubes de rotation d'air

Publication

EP 1308673 A3 20040623 (DE)

Application

EP 02021587 A 20020927

Priority

DE 10154282 A 20011105

Abstract (en)

[origin: EP1308673A2] A swirler, which includes a swirler vane (2), is arranged in an air path. A fuel injection nozzle (3) is positioned in the wake area of the swirler vane such that the fuel injection nozzle is separate from the swirler vane.

IPC 1-7

F23R 3/14; **F23R 3/28**

IPC 8 full level

F23R 3/14 (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)

F23R 3/14 (2013.01 - EP US); **F23R 3/28** (2013.01 - EP US)

Citation (search report)

- [X] EP 0500256 A1 19920826 - GEN ELECTRIC [US]
- [X] US 5511375 A 19960430 - JOSHI NARENDRA D [US], et al
- [X] US 5251447 A 19931012 - JOSHI NARENDRA D [US], et al
- [X] EP 0870989 A2 19981014 - EUROP GAS TURBINES LTD [GB]
- [A] US 6141967 A 20001107 - ANGEL PAUL R [US], et al

Cited by

EP1584872A3; DE102007004394B4; US8065880B2

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EP 1308673 A2 20030507; **EP 1308673 A3 20040623**; **EP 1308673 B1 20080716**; DE 10154282 A1 20030515; DE 50212499 D1 20080828; US 2003084667 A1 20030508; US 6901756 B2 20050607

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