

Title (en)

Fuel nozzle for premix turbine combustor

Title (de)

Brennstoffdüse für Vormischungsverbrennungskammer einer Turbine

Title (fr)

Buse d'alimentation en combustible pour une chambre de combustion de turbine à prémélange

Publication

EP 1172610 A1 20020116 (EN)

Application

EP 01401156 A 20010504

Priority

JP 2000213245 A 20000713

Abstract (en)

This invention relates to a fuel discharge member which can reduce the amount of NO_x exhaust. The fuel discharge member is fixed on a fuel supply conduit (17), and comprises: a main body (23) having an internal space (22) which communicates with a fuel passage in the fuel supply conduit, fuel discharge outlets (21) which communicate with the internal space, and a trailing edge (23a). The thickness (t) of the trailing edge is no more than 5mm, or a flow passage block ratio of the fuel discharge member is no more than 10% with respect to the cross-sectional area of the air flow passage in which the fuel discharge member is to be placed. Alternatively, the main body is a flat tube.

IPC 1-7

F23R 3/28

IPC 8 full level

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CPC (source: EP US)

F23R 3/286 (2013.01 - EP US); **F23D 2900/00008** (2013.01 - EP US); **F23D 2900/14004** (2013.01 - EP US)

Citation (applicant)

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- JP H10318541 A 19981204 - GEN ELECTRIC
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Citation (search report)

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