

Title (en)

PREMIXED GAS BURNING METHOD AND COMBUSTOR.

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VORMISCHENDEN GASVERBRENNUNG.

Title (fr)

PROCEDE DE COMBUSTION D'UN PREMELANGE GAZEUX ET BRULEUR CON U A CET EFFET.

Publication

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Application

**EP 94908507 A 19940308**

Priority

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Abstract (en)

This invention aims at eliminating from a fuel-air premixing nozzle-carrying combustor the inconveniences, such as variation of flame length which is ascribed to variation of combustion rate due to variation of fuel concentration in a premixed gas; and the occurrence of combustion vibration. The present invention provides a combustion method in which a non-fuel-containing fluid (8) is supplied to a space between a premixed gas layer (2) formed by a premixed gas ejected from a premixing nozzle (1) and a high-temperature gas layer (5) formed by a part of a high temperature gas occurring due to the combustion of the premixed gas, which part of the high-temperature gas is circulated or reside in a downstream zone at an outlet portion of the premixing nozzle; and a combustor. <IMAGE>

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IPC 8 full level

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Cited by

EP1278013A3; EP1134494A1; US5987875A; EP1114967A1; EP0754908A3; EP0900982A3; US6631614B2; US6698209B1; WO9904198A1

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