

Title (en)

PREMIXING BURNER AND METHOD FOR OPERATING A PREMIXING BURNER

Title (de)

VORMISCHBRENNER UND VERFAHREN ZUM BETRIEB EINES VORMISCHBRENNERS

Title (fr)

BRÛLEUR À PRÉMÉLANGE ET PROCÉDÉ DE FONCTIONNEMENT D'UN BRÛLEUR À PRÉMÉLANGE

Publication

EP 2171353 A1 20100407 (DE)

Application

EP 08786350 A 20080723

Priority

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- EP 07014820 A 20070727
- EP 08786350 A 20080723

Abstract (en)

[origin: EP2023041A1] The method involves injecting an air mass flow (5) and fuel (6) e.g. synthetic gas, into a premixing zone (2) of a premixing burner (1) for forming a potential hot gas backflow area. A fluid (15) e.g. inert gas, which does not contain fuel, is injected downstream towards a fuel injection into the premixing zone. The fluid is injected into the premixing zone along the surface area of the premixing zone in a main flow direction (9). The fuel is injected into the premixing zone perpendicular to the main flow direction of the air mass flow. An independent claim is also included for a premixing burner comprising a premixing zone.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009016079A1

Cited by

EP2385307A1; ITTO20100378A1; US9091444B2

Designated contracting state (EPC)

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