

Title (en)

POROUS BURNER COMPRISING A SILICON-CARBIDE POROUS BODY

Title (de)

PORENBRENNER MIT SILIZIUMKARBID-PORENKÖRPER

Title (fr)

BRULEUR POREUX COMPRENANT UN CORPS POREUX EN CARBURE DE SILICIUM

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Application

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Abstract (en)

[origin: WO2004092646A1] The invention relates to a porous burner (10) for burning a fuel-air mixture for producing a hot flue gas (22). Said burner contains a housing (12), provided with a porous material (16) consisting of a silicon carbide (SiC) that is resistant to high temperatures and facilitates combustion. The burner is characterised in that the porous body comprises a siliconised carbon textile with a regular, uniform structure. The shape of the silicon carbide textile (16) can deviate from a planar surface and be e.g undulating and a plurality of textile sections (28, 30) can be laid on top of one another.

IPC 8 full level

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