

Title (en)

METHOD FOR THE COMBUSTION OF FUEL

Title (de)

VERFAHREN ZUM VERBRENNEN VON BRENNMATERIAL

Title (fr)

PROCÉDÉ DE COMBUSTION D'UN COMBUSTIBLE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008135275A1] The present invention relates to a method for the combustion of fuel (5), which is introduced in a combustion zone (2) of a burner (1), using oxygen or a mixture of oxygen and carbon dioxide. The invention further relates to a burner for performing the method according to the invention. In order to provide a method, with which the combustion of fuel can be carried out in a stable process, using oxygen or a mixture of oxygen and carbon dioxide having an oxygen content of preferably less than 21% by volume, the invention proposes to produce a cyclic flow (8) in the combustion zone (2), the cyclic flow bringing about homogeneous mixing of hot combustion products with the fuel (5) and the oxygen, or with the fuel (5) and the mixture of oxygen and carbon dioxide, in the combustion zone (2).

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