

Title (en)  
BURNER FOR SYNTHESIS GAS

Title (de)  
BRENNER FÜR SYNTHESSEGAS

Title (fr)  
BRÛLEUR À GAZ DE SYNTHÈSE

Publication  
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Application  
**EP 02765280 A 20021002**

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Abstract (en)  
[origin: WO03036167A1] The invention relates to a burner which essentially consists of a swirl generator (1) for a combustion air flow, and means for introducing fuel into said combustion air flow (9). Said swirl generator (1) comprises combustion air inlets for the combustion air flow (9) entering the burner, and the means for introducing fuel into the combustion air flow (9) comprise at least one first fuel admission (19) and a group of first fuel outlets (18) which are arranged in a distributed manner on an end of the burner on the side of the combustion chamber, about the burner axis (25). Said burner is characterised in that the at least one fuel admission (19) and the group of first fuel outlets (18) are mechanically decoupled from the swirl generator (1). The inventive burner enables synthesis gas to be used in a reliable and safe manner, both in a rarefied and in a non-rarefied form.

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