

Title (en)  
BURNER FOR HEAT GENERATOR

Title (de)  
BRENNER ZUM BETRIEB EINES WÄRMEERZEUGERS

Title (fr)  
BRULEUR POUR GENERATEUR DE CHALEUR

Publication  
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Application  
**EP 99959164 A 19991221**

Priority  
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• DE 19859829 A 19981223

Abstract (en)  
[origin: DE19859829A1] The invention relates to a burner for operating a heat generator. Said burner consists essentially of a swirl generator (100) for a combustion air flow (115) and means for injecting at least one fuel into the combustion air flow (115). Downstream of the swirl generator (100) a mixing section (20) is positioned which in a first part, in the direction of flow, presents a number of channels which are embodied in a transition piece (200) and serve to transfer a flow produced in the swirl generator (100) into a mixing tube (20) positioned downstream of the transition piece (200). A combustion chamber (30) is situated downstream of the mixing tube (20). The swirl generator (100) is integrated into a self-contained inflow cross-section (10) which is subjected to the combustion air flow (115).

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