

Title (en)  
BURNER AND COMBUSTION DEVICE COMPRISING SAID BURNER

Title (de)  
BRENNER UND VERBRENNUNGSVORRICHTUNG MIT DIESEM BRENNER

Title (fr)  
BRÛLEUR ET DISPOSITIF DE COMBUSTION COMPRENANT LEDIT BRÛLEUR

Publication  
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Application  
**EP 09812447 A 20091230**

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Abstract (en)  
[origin: WO2011080780A1] The burner (1) according to the invention comprises a main body (10) provided with an operating cavity (11) open at least on a first side. The burner also comprises first feed means (20) arranged to introduce a flow of a first reagent (for example combustion air) into said cavity and second feed means (31) are arranged to introduce a flow of a second reagent (for example fuel) into the same operating cavity. The first means are configured so as to introduce the first reagent according to a tangential direction, while the second means are configured to introduce the second reagent according to a direction parallel to the direction in which the cavity extends. According to the invention the operating cavity comprises a first portion between the intake position of the first reagent and the intake position of the second reagent. This first portion defines a stabilization chamber of the flow of the first reagent. The operating cavity also comprises a second portion defining a combustion chamber downstream of the intake position of the second reagent.

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