

Title (en)  
OXYCOMBUSTION CHAMBER

Title (de)  
SAUERSTOFFVERBRENNUNGSRAUM

Title (fr)  
CHAMBRE D'OXY-COMBUSTION

Publication  
**EP 2310740 A1 20110420 (FR)**

Application  
**EP 09784274 A 20090716**

Priority  
• FR 2009000875 W 20090716  
• FR 0804606 A 20080813

Abstract (en)  
[origin: WO2010018315A1] The invention relates to a combustion chamber that comprises a housing (1) including at least one fuel-injection means (2), at least one oxidant-injection means (3), and at least one means (5) for drawing the combustion fumes, wherein the housing (1) is in the shape of a tube having any cross-section and which is recurved and closed, while the fuel- (2) and oxidant- (3) injection means are provided on the housing (1) so as to be offset by an angle  $\theta$  defined by each of the fuel- and oxidant-injection positions relative to the centre (C) of the housing, said angle being between  $10^\circ$  and  $90^\circ$ , and wherein the oxidant-injection means is a means for injecting an oxidant consisting of a gas having an oxygen content higher than 90%.

IPC 8 full level  
**F23C 3/00** (2006.01); **F23C 6/04** (2006.01); **F23C 9/08** (2006.01); **F23L 7/00** (2006.01)

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Citation (search report)  
See references of WO 2010018315A1

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