

Title (en)  
PREMIXING BURNER ARRANGEMENT FOR OPERATING A BURNER CHAMBER AND METHOD FOR OPERATING A BURNER CHAMBER

Title (de)  
VORMISCHBRENNERANORDNUNG ZUM BETREIBEN EINER BRENNKAMMER SOWIE VERFAHREN ZUM BETREIBEN EINER BRENNKAMMER

Title (fr)  
SYSTEME DE BRULEUR DE PREMELANGE POUR FAIRE FONCTIONNER UNE CHAMBRE DE COMBUSTION, ET PROCEDE POUR FAIRE FONCTIONNER UNE CHAMBRE DE COMBUSTION

Publication  
**EP 1714081 B1 20080409 (DE)**

Application  
**EP 05726413 A 20050209**

Priority

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Abstract (en)  
[origin: WO2005078348A1] The invention relates to a premixing burner arrangement for operating a burner chamber with a gaseous and/or liquid fuel. Said premix burner comprises a swirl generator (2) for a combustion air influx for forming a swirl and means (5) for jetting in fuel into the swirl. The swirl generator (2) comprises at least two partial conical shells (1) that complement each other to give a flow-type body and that together include a conical swirl chamber having a cone angle gamma and air inlet slots (4) that are tangential relative to the longitudinal extension of the cone. The invention is characterized in that at least in the flow-distal end zone of the swirl generator (2) a shaped element (7) enclosing the partial conical shells (1) and having an inner wall (6) facing the partial conical shells (1) is provided and in that the partial conical shells (1) run flush into the inner wall (6) thereby keeping the shape of the structure.

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Cited by  
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