

Title (en)  
COMBUSTION CHAMBER FOR A GAS TURBINE, AND TOOL AND METHOD FOR PRODUCING COOLING DUCTS IN A GAS TURBINE COMPONENT

Title (de)  
BRENNKAMMER FÜR EINE GASTURBINE SOWIE WERKZEUG UND VERFAHREN ZUR HERSTELLUNG VON KÜHLKANÄLEN IN EINER GASTURBINENKOMPONENTE

Title (fr)  
CHAMBRE DE COMBUSTION D'UNE TURBINE À GAZ ET OUTIL ET PROCÉDÉ PERMETTANT DE PRODUIRE DES CANAUX DE REFROIDISSEMENT DANS UN COMPOSANT D'UNE TURBINE À GAZ

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Application  
**EP 14766936 A 20140908**

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Abstract (en)  
[origin: WO2015032936A1] The invention relates to a combustion chamber (10) for a gas turbine (1), having at least one housing component (33) with a housing wall (23) which is arranged around a hot-gas path and which comprises a hot side (25), which can be charged with hot gas, and an oppositely situated cold side (27), wherein, in the housing wall, there extends a number of cooling ducts (44, 54, 90, 106, 118) each with an inner side (58), which cooling ducts each comprise an inflow region (120), which opens toward the cold side, and an outflow region (122), which opens into the interior of the combustion chamber. The combustion chamber according to the invention permits cooling of the housing component, a reduction in pollutant emissions from the combustion chamber, and low production costs for the housing component. For this purpose, turbulence generators are arranged in at least one of the cooling ducts, wherein the turbulence generators are web-like ribs (60, 92, 108) which extend along the inner side of the cooling duct and which are formed integrally with the housing wall (23).

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