

Title (en)  
THERMAL SHIELD FOR A COMPONENT CARRYING HOT GASES, ESPECIALLY FOR STRUCTURAL COMPONENTS OF GAS TURBINES

Title (de)  
HITZESCHILDANORDNUNG FÜR EINE HEISSGAS FÜHRENDE KOMPONENTE, INSBESONDERE FÜR STRUKTURTEILE VON GASTURBINEN

Title (fr)  
ENSEMBLE BOUCLIER THERMIQUE POUR UN COMPOSANT ACHEMINANT UN GAZ CHAUD, NOTAMMENT POUR DES PIECES DE STRUCTURE DE TURBINES A GAZ

Publication  
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Application  
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Abstract (en)  
[origin: WO0155273A2] According to the invention, a hot gas chamber, for example a combustion chamber (7) of a gas turbine installation, is lined with thermal shield elements (1). A closed-circuit cooling system is provided by configuring the thermal shield element (1) as a hollow body into which cool air flows via a cool air supply channel. Once the cool air is discharged from the thermal shield element (1) through at least one opening (8), it is collected in a tiled intermediate space (5) and is then used for the combustion process.

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