Title (en)

DAMPING ARRANGEMENT FOR REDUCING COMBUSTION CHAMBER PULSATIONS IN A GAS TURBINE SYSTEM

Title (de)

DÄMPFUNGSANORDNUNG ZUR REDUZIERUNG VON BRENNKAMMERPULSATIONEN IN EINER GASTURBINENANLAGE

Title (fr)

ENSEMBLE AMORTISSEUR CONCU POUR REDUIRE LES PULSATIONS D'UNE CHAMBRE DE COMBUSTION DANS UNE INSTALLATION DE TURBINE A GAZ

Publication

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Application

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Priority

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- IB 0203492 W 20020828

Abstract (en)

[origin: WO03023281A1] The invention relates to a damping arrangement for reducing resonant vibrations in a combustion chamber (1) comprising a combustion chamber wall (2), which is provided with a double wall and encloses a space (3) in a gas-tight manner with an outer wall flat part (22) and an inner wall flat part (21) facing the combustion chamber (1). Cooling air for cooling the combustion chamber wall (2) by convection can be supplied into said space. The invention is characterized in that at least one third wall flat part (4) is provided that, with the outer wall flat part (22), encloses a gas-tight volume (5) and in that the gas-tight volume (5) is connected in a gas-tight manner to the combustion chamber (1) via at least one connecting line (6).

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