

Title (en)

COMBUSTION CHAMBER AND DAMPER ARRANGEMENT FOR REDUCTION OF COMBUSTION CHAMBER PULSATIONS IN A GAS TURBINE PLANT

Title (de)

BRENNKAMMER UND DÄMPFERANORDNUNG ZUR REDUZIERUNG VON BRENNKAMMERPULSATIONEN IN EINER GASTURBINENANLAGE

Title (fr)

CHAMBRE DE COMBUSTION ET DISPOSITIF D'AMORTISSEMENT DESTINÉ A REDUIRE DES PULSATIONS DE CHAMBRE DE COMBUSTION DANS UN SYSTÈME DE TURBINES A GAZ

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Application

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Priority

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Abstract (en)

[origin: WO03060381A1] At least one Helmholtz damper (17) is arranged on a combustion chamber (16) of a gas turbine (10) for damping thermoacoustic vibrations, the damping volume (20, 21) of which is connected to the combustion chamber (16) by means of a connecting channel (18). According to the invention, an optimal damping can be achieved in a simple manner, whereby the Helmholtz damper (17) is embodied such that the damping frequency thereof is adjustable, whereby the damping volume (20, 21) is divided into a fixed damping volume (20) and a variable damping volume (21) and the damping volume may be varied by means of variation in the variable damping volume (21).

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