

Title (en)
ANNULAR COMBUSTION CHAMBER FOR A GAS TURBINE

Title (de)
RINGBRENNKAMMER FÜR EINE GASTURBINE

Title (fr)
CHAMBRE DE COMBUSTION ANNULAIRE POUR TURBINE A GAZ

Publication
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Application
EP 02802992 A 20021107

Priority
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• EP 0212448 W 20021107
• EP 01127137 A 20011115

Abstract (en)
[origin: EP1312865A1] The ring combustion chamber (1), for a gas turbine, has at least one entry opening for a burner (5) and at least one outlet (8) in the turbine zone. An outer wall defines the ring combustion chamber, with an inner ring-shaped liner (4) to guide the hot gas from the inlet to the outlet. A gap (7) is between the liner and the outer wall (3) as a channel for a coolant air flow. The liner is a thin metal sheet or welded ring segments, preferably using submerged-arc welding. The liner is fixed at the transit from the combustion chamber to the turbine zone, and is then supported at the outer wall with elastic suspensions (10) for a relative movement against the wall.

IPC 1-7
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IPC 8 full level
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