

Title (en)

GAS TURBINE COMBUSTION CHAMBER HAVING MIXING ORIFICES WHICH ASSURE THE POSITIONING OF A HOT WALL ON A COOL WALL

Publication

EP 0248731 B1 19890111 (FR)

Application

EP 87401235 A 19870603

Priority

FR 8608015 A 19860604

Abstract (en)

[origin: US4805397A] A combustion chamber for a turbojet engine is disclosed which utilizes double walled construction. Hot walls are attached to adjacent cold walls solely by an orifice member which defines an orifice to supply primary of dilution air to the combustion chamber. The attachment allows relative radial movement of the hot walls with respect to the cold walls so as to accommodate the thermal expansion and contraction of the hot walls. The sleeves forming the walls also cooperate so as to provide an internal cooling film on the interior surface of the hot walls. Convection cooling may also be utilized between the walls to prevent structural damage due to high temperatures.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

FR2970065A1; EP3039347A4; EP0493304A1; EP0363624A1; EP0694739A1; FR2723177A1; EP0506516A1; FR2674317A1; EP0647817A1; FR2710968A1; US5499499A; EP3102883A4; EP0321320A1; FR2624953A1; US4901522A; EP0780638A3; WO2015117137A1; WO2015031816A1

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