

Title (en)

Combustion chamber having a multitude of cooling holes which are inclined in varying axial and tangential directions

Title (de)

Brennkammer mit einer Vielzahl von Filmkühlungsbohrungen die in verschiedene axiale und tangentielle Richtungen geneigt sind

Title (fr)

Chambre de combustion comportant une multiperforation d'inclinaison axiale et tangentielle variable

Publication

EP 0743490 B1 19990609 (FR)

Application

EP 96400863 A 19960424

Priority

FR 9504968 A 19950426

Abstract (en)

[origin: EP0743490A1] The chamber has at least one axial wall (2,3) which is pierced by a series of openings (14) allowing passage of a coolant fluid flow (A). A further series of diluting holes (12) are arranged in a plane transverse to the flow of combustion gases in the chamber (D). The chamber wall is divided into a series of zones (16a,21), within each of which the coolant openings are formed at an angle (A) to the longitudinal axis of the wall greater than 30 deg. The openings in some wall zones are inclined acutely relative to the combustion gas flow, and those in other zones are inclined obtusely relative to the flow.

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IPC 8 full level

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CPC (source: EP US)

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EP 0743490 A1 19961120; **EP 0743490 B1 19990609**; DE 69602804 D1 19990715; DE 69602804 T2 20000127; FR 2733582 A1 19961031; FR 2733582 B1 19970606; JP 3302559 B2 20020715; JP H08312960 A 19961126; US 5775108 A 19980707

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