

Title (en)

ANNULAR COMBUSTION CHAMBER FOR A TURBINE ENGINE

Title (de)

RINGFÖRMIGE BRENNKAMMER FÜR EINE TURBOMASCHINE

Title (fr)

CHAMBRE ANNULAIRE DE COMBUSTION D'UNE TURBOMACHINE

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Application

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Abstract (en)

[origin: WO2013045792A2] The invention relates to an annular combustion chamber including two inner and outer rotationally symmetrical walls connected upstream by an annular chamber bottom through which injection systems pass, each injection system including at least one turn for producing a rotary airflow downstream from a fuel injector, and a frusto-conical bowl (78) arranged downstream from the turn and formed with an annular row of air-injection openings (80, 86), wherein the outer rotationally symmetrical wall includes an annular row of primary dilution openings. The openings (80, 86) of the bowls (78) are distributed and sized such that air/fuel mixture layers have a local widened portion circumferentially intercepting an adjacent fuel layer upstream from the primary dilution openings.

IPC 8 full level

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CPC (source: EP RU US)

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