

Title (en)

Reheat burner for a gas turbine and gas turbine comprising such a reheat burner

Title (de)

Nachwärmebrenner für eine Gasturbine und Gasturbine mit Solchem Rückwärmebrenner

Title (fr)

Brûleur de postcombustion pour turbine à gaz et turbine à gaz comportant un tel brûleur de postcombustion

Publication

EP 3486569 A1 20190522 (EN)

Application

EP 18206809 A 20181116

Priority

RU 2017140045 A 20171117

Abstract (en)

A burner (22) for a gas turbine (1), the burner (22) comprising: - gas flow channel (25) having an axis (24) parallel to the a main gas flow direction (M); - at least a fuel injector (26) comprising at least a streamline body (28) extending straightly across the gas flow channel (25) along a first transverse direction (29) of a plane orthogonal to the gas flow direction (M); wherein the streamline body (28) comprises a lobed shaped trailing edge (31) having turning points (34) and lobes pointing alternatively in opposite direction along a second transverse direction (33) orthogonal to first transverse direction (29) in the plane orthogonal to the gas flow direction (M). wherein the lobed shaped trailing edge (31) has an apex portion (35) substantial parallel to the first transverse direction (29) and two side portions (36) connecting the turning points (34) to the apex portion (35).

IPC 8 full level

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CPC (source: CN EP RU)

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Citation (search report)

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