Title (en)

BURNER COMPONENT OF A BURNER, AND BURNER OF A GAS TURBINE HAVING A BURNER COMPONENT OF THIS TYPE

Title (de)

BRENNERKOMPONENTE EINES BRENNERS UND BRENNER EINER GASTURBINE MIT EINER SOLCHEN

Title (fr)

COMPOSANT DE BRÛLEUR D'UN BRÛLEUR, ET BRÛLEUR D'UNE TURBINE À GAZ PRÉSENTANT UN COMPOSANT DE BRÛLEUR DE CE TYPE

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Application

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Abstract (en)

[origin: WO2021197654A1] The invention relates to a burner component (01) of a burner. The burner has a flow channel, in which combustion air flows in a flow direction (05) from upstream to downstream. The burner component (01) comprises: - a wall portion (03), which adjoins the flow channel; - a plurality of injection nozzles (21, 22), which are arranged in the wall portion (03); and - a plurality of vortex generators (11), which are arranged on the wall portion (03). In order to improve the distribution of the fuel in the combustion air, the vortex generators (11) have a concavely curved sloped surface (12) rising in the flow direction (05).

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