

Title (en)

BURNER TIP HAVING AN AIR CHANNEL STRUCTURE AND A FUEL CHANNEL STRUCTURE FOR A BURNER, AND METHOD FOR PRODUCING SAID BURNER TIP

Title (de)

BRENNERSPITZE MIT EINER LUFTKANALSTRUKTUR UND EINER BRENNSTOFFKANALSTRUKTUR FÜR EINEN BRENNER UND VERFAHREN ZUR HERSTELLUNG DER BRENNERSPITZE

Title (fr)

POINTE DE BRÛLEUR AVEC UNE STRUCTURE DE CONDUIT D'AIR ET UNE STRUCTURE DE CONDUIT DE CARBURANT POUR UN BRÛLEUR ET PROCÉDÉ POUR LA FABRICATION D'UNE POINTE DE BRÛLEUR

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Application

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Abstract (en)

[origin: CA3050180A1] The invention relates to a burner tip (19) for installation in a burner (11), wherein the burner tip (19) has a surface (OF) facing a combustion chamber (BR), an air channel structure (21) leading to the surface (OF) and defining an air channel (20), and a fuel channel structure (32) leading to the surface (OF), and wherein the fuel channel structure (32) defines a fuel channel (33), which extends in a surface region (OFB) of the burner tip (19) in a first direction parallel to the surface (OF) and then extends back, at least in part, in a second direction (2R), different from the first direction (1R), in order to cool the surface region (OFB) of the burner tip (19) by a fuel flowing through the fuel channel (33) during operation of the burner tip (19).

IPC 8 full level

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