Title (en)

METHOD FOR PRODUCING A GAS BURNER ELEMENT, BURNER ELEMENT AND BURNER USING SAME

Title (de)

HERSTELLUNGSVERFAHREN EINES GASBRENNERELEMENTS, BRENNERELEMENT UND BRENNER UNTER VERWENDUNG DESSELBEN

Title (fr)

PROCEDE DE FABRICATION D'UN ELEMENT DE BRULEUR A GAZ, ELEMENT DE BRULEUR ET BRULEUR EN FAISANT UTILISATION

Publication

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Application

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Abstract (en)

[origin: WO9416269A1] A method for producing a gas burner element, wherein (a) at least one metal strip (1) with a width matching the thickness of the desired burner element is cold formed to provide a series of grooves (4, 4') across the full width of one of the large sides (11) of the strip while the other large side (10) is left smooth, the resulting metal flow causing bumps to form on the strip edges at the ends of the grooves (4, 4'); (b) a number of sections of said metal strip (1), or a number of metal strips, are placed side by side such that their plane surfaces (10) contact the grooved surface (11) of the adjacent section or strip, and vice versa; and (c) the strip sections or strips (1) arranged side by side are assembled to form a rigid element. A burner element and a burner using said element and having an improved performance due to the large number of air/gas mixture passages formed by the grooves, and the "flame stabilising" effect of the edge bumps, are also disclosed.

IPC 1-7

F23D 14/46; F23D 14/58

IPC 8 full level

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