

Title (en)

Atmospheric gas burner of longitudinal type with a radiating element which is generating lateral conduits for the stabilization of the flames

Title (de)

Langgestreckter atmosphärischer Gasbrenner mit einem Strahlerelement, das seitliche Leitungen zur Flammenstabilisation erzeugt

Title (fr)

Brûleur à gaz atmosphérique de type tubulaire comprenant un élément rayonnant générant des conduits latéraux pour la stabilisation des flammes

Publication

EP 1058054 A1 20001206 (EN)

Application

EP 00201845 A 20000525

Priority

IT PN990045 A 19990601

Abstract (en)

Atmospheric gas burner of longitudinal type with a radiating element which generates lateral conduits for the stabilization of the flame in which, a curved length (21), which is made in the centre of the metallic rectangular plate that is forming the radiating element (2), is tightly fixed to the tubular and cylindrical length (11) which is laterally provided with two rows of primary holes (14) and two rows of secondary holes (15) and it is positioned in the portion which is comprised between these latter secondary holes. Two curved portions are realized laterally to the curved length (21) and are bent outwards to form respective small lateral conduits (22) which are positioned coaxially to the rows of secondary holes (15). The outer edges of such curved portions, wherefrom are departing lateral wings (23), terminate near the rows of primary holes (14) as well as slightly-spaced from the surface of the tubular cylindrical length (11) thus forming narrow slits. The air/gas fuel mixture comes from the secondary holes (15), it penetrates in the lateral conduits (22) and it goes out through the said narrow slits thus producing pilot flames (F2) directed to the primary flames (F1) which are produced by the primary holes (14).

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Citation (applicant)

IT 1225116 A

Citation (search report)

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- [A] FR 1388300 A 19650205
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