

Title (en)  
RADIATING BURNER HAVING ENHANCED PERFORMANCE AND METHOD FOR IMPROVING THE PERFORMANCE OF A RADIATING BURNER

Title (de)  
STRAHLUNGSBRENNER MIT ERHÖHTER LEISTUNG UND VERFAHREN ZUR VERBESERUNG DER LEISTUNG EINES STRAHLUNGSBRENNERS

Title (fr)  
BRULEUR RADIANT A RENDEMENT ACCRU, ET PROCEDE D'AMELIORATION DU RENDEMENT D'UN BRULEUR RADIANT

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Application  
**EP 10785484 A 20101020**

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Abstract (en)  
[origin: WO2011048337A2] The invention particularly relates to a method for improving the performance of a radiating burner designed to be supplied during operation by means of a flow (F) comprising a mixture of air and combustible gas; said burner includes a body (1) defining a combustion chamber (10) and provided with an inlet (11) for the mixture; a porous wicking agent (2) closes off the chamber (10) in a non-sealing manner and is arranged downstream of the inlet (11) in the direction of flow (F) of the mixture; and a distribution grid (3) is arranged between the mixture inlet (10) and the wicking agent (2). The method according to the invention includes an operation which comprises creating an electric field in the combustion chamber (10) by applying an electric potential difference of at least 5 kV between the wicking agent (2) and the distribution grid (3).

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