

Title (en)

CERAMIC BURNER FOR GASES AND REGENERATIVE HEAT GENERATOR PROVIDED WITH THE SAID BURNER

Title (de)

KERAMISCHER GASBRENNER UND REGENERATIVE WÄRMEERZEUGUNGSANLAGE MIT EINEM SOLCHEN BRENNER

Title (fr)

BRULEUR EN CERAMIQUE POUR GAZ ET GENERATEUR DE CHALEUR DE REGENERATION DOTE DUDIT BRULEUR

Publication

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Application

EP 98962386 A 19981118

Priority

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- NL 1007581 A 19971119

Abstract (en)

[origin: WO9926020A1] Ceramic burner for gases, especially for use in the combustion chamber (2) of a regenerative heat generator, such as a hot-blast stove (1) for a blast furnace (1), which ceramic burner is provided with a first feed duct (13) for a first combustion component, such as a combustible gas, and with a second feed duct (12) for a second combustion component, such as combustion air, the first feed duct (13) opening out into a substantially elongate outlet opening (15) and the second feed duct opening out into at least one second outlet opening (14), the latter opening(s) extending essentially parallel to and downstream of the first outlet opening, a partition (11), which continues as far as the two outlet openings (14, 15), furthermore being situated between the first feed duct (13) and the second feed duct (12), in which ceramic burner at least one of the first and second feed ducts (12, 13) is provided with means for imparting turbulence, during operation, to the combustion component emerging through the duct(s) in question, which turbulence is such that a combustible mixture of the two combustion components is formed upstream of the end of the partition (11).

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WO 9926020 A1 19990527; AR 017186 A1 20010822; AU 1756899 A 19990607; AU 735282 B2 20010705; CN 1126910 C 20031105; CN 1282408 A 20010131; DE 69802116 D1 20011122; DE 69802116 T2 20020620; EP 1046011 A1 20001025; EP 1046011 B1 20011017; HU P0100067 A2 20010628; HU P0100067 A3 20011228; NL 1007581 C2 19990520; PL 340596 A1 20010212; RU 2208201 C2 20030710; SK 7532000 A3 20010312; UA 49099 C2 20020916; ZA 9810588 B 19990525

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