Title (en)
RING TYPE FURNACE

Title (de)
RINGKAMMEROFEN MIT TUBULARER ZENTRALGASSTRÖMUNG

Title (fr)
FOUR A FEU TOURNANT A FLUX CENTRAL TUBULAIRE

Publication
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Application
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Priority
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- FR 9807536 A 19980611

Abstract (en)
[origin: FR2779811A1] The invention concerns a furnace for baking carbon bricks comprising, in the longitudinal direction X, a series of chambers, each of the chambers comprising, in the transverse direction Y, alternating hollow partitions (3) ensuring a gas flow for heating fuel gas or a cooling air gas flow, and cells containing the carbon bricks to be baked, each of said hollow partitions (3) of a chamber communicating with a partition upstream and/or downstream, so as to form a duct enabling the gas flow to circulate. Each of said partitions of a chamber comprises, in the plane X-Z, two vertical side walls (38) and, in the transverse direction Y, elements deflecting said gas flow and maintaining a constant spacing of said side walls (38). The invention is characterised in that each partition (3) comprises means for preserving, over at least one third of length L of said partition, a gas flow with flow rate D homogeneously distributed over said partition entire cross-section S, with homogeneity level of said flow rate distribution defined by: 2y.D-0.5y.D / y.S, where 2y.D-0.5 y.D represents the extent of the range of flow rate D corresponding to a fraction y of said cross-section S, and where y is not more than 0.25.

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CPC (source: EP US)
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FR 2779811 A1 19991217; **FR 2779811 B1 20000728**; AR 018655 A1 20011128; AU 4147899 A 19991230; AU 745152 B2 20020314; AU 745152 C 20020926; BR 9911134 A 20011023; CA 2334994 A1 19991216; CA 2334994 C 20090203; CN 100445680 C 20081224; CN 1305579 A 20010725; DE 69906296 D1 20030430; DE 69906296 T2 20031204; EG 21714 A 20020227; EP 1093560 A1 20010425; EP 1093560 B1 20030326; ES 2191433 T3 20030901; GC 0000056 A 20040630; NO 20006234 D0 20001207; NO 20006234 L 20001207; NO 322639 B1 20061113; NZ 508349 A 20031031; TW 432194 B 20010501; US 6027339 A 20000222; WO 9964804 A1 19991216; ZA 200007066 B 20020228

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