

Title (en)
ING

Title (de)
RINGKAMMEROFEN MIT TUBULARER ZENTRALGASSTRÖMUNG

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

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Application
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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 $2y.D-0.5y.D$ 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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