

Title (en)

Arrangement of the heating elements in an electrically heated furnace.

Title (de)

Anordnung der Heizelemente in einem elektrisch beheizten Ofen.

Title (fr)

Agencement des éléments chauffants dans un four chauffé électriquement.

Publication

EP 0042602 A1 19811230 (DE)

Application

EP 81104731 A 19810619

Priority

DE 3023238 A 19800621

Abstract (en)

1. Arrangement of the heating elements in an electrically heated furnace, comprising a solid bottom (5, 6, 7, 8) and an exteriorly arranged supporting frame (3), as well as a furnace compartment the vertical inner walls of which have horizontally disposed thereon rod-shaped heating elements (14, 15) one above the other in parallel with each other, with the ends of the heating elements resting on support devices provided with through-shaped recesses (16, 16') and formed of a refractory material, characterized in that, when using non-supporting fibrous insulation material as the wall insulation, the support devices are formed as stackable separate elements (12) of an L- or T-shaped configuration, which are assembled into upright columns (10, 10', 11, 11'), said columns resting on the bottom (5, 6, 7, 8) of the furnace without any supporting connection or joint to a wall (23, 24) with the separate elements (12) being stacked to form a supporting column with the aid of a reinforcing element (25).

Abstract (de)

Elektrisch beheizter Ofen mit einem Ofenraum, an dessen senkrechten Innenwänden stabförmige Heizelemente horizontal parallel übereinanderliegen, wobei sich die Enden der Heizelemente auf Tragvorrichtungen abstützen, die mit muldenförmigen Vertiefungen versehen sind und aus feuerfestem Material bestehen. Die Tragvorrichtungen sind als stapelbare Einzelemente ausgebildet. Die Einzelemente (12) besitzen eine im wesentlichen L- oder T-förmige Grundseite. In wenigstens eine Wandung ist eine muldenförmige Vertiefung eingearbeitet.

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H05B 3/66; F27D 11/02

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

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