

Title (en)

ARRANGEMENT OF THE HEATING ELEMENTS IN AN ELECTRICALLY HEATED FURNACE

Publication

**EP 0042602 B1 19851009 (DE)**

Application

**EP 81104731 A 19810619**

Priority

DE 3023238 A 19800621

Abstract (en)

[origin: EP0042602A1] 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).

IPC 1-7

**H05B 3/66; F27D 11/02**

IPC 8 full level

**F27D 11/02** (2006.01); **H05B 3/66** (2006.01)

CPC (source: EP)

**F27D 11/02** (2013.01); **H05B 3/66** (2013.01)

Cited by

CN109648698A; EP0413121A1; WO8604478A1

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