

Title (en)
ELECTRIC HEATING FURNACE WITH LOW THERMAL INERTIA

Publication
EP 0048645 B1 19840404 (FR)

Application
EP 81401335 A 19810824

Priority
FR 8020269 A 19800919

Abstract (en)
[origin: EP0048645A1] 1. A furnace heated by electric resistors, comprising an insulating wall retained by a frame, electric resistor supports being disposed on the face of the said wall, which face is directed towards the interior of the furnace, characterized in that the insulating wall is formed by an assembly of modular elements (37) made from a heat-insulating material having low mechanical resistance and low thermal inertia, the resistor supports (27) being arranged at the level of the horizontal joint faces of the assembled modular elements (37) and being constituted by rigid refractory plates (31) assembled adjacent one another and horizontally, each plate (31) being supported by at least one rigid bearing member (28, 40) arranged inside a modular element (29, 37) of the wall, the said member resting on the plate (31) which is at right angles with the latter at a lower level, the plates (31), which are at the lowest level, being supported by a bearing member (28) which rests on the frame (1) of the furnace.

IPC 1-7
F27D 11/02; H05B 3/66; F27D 1/06

IPC 8 full level
F27D 1/06 (2006.01); **F27D 11/02** (2006.01); **H05B 3/66** (2006.01)

CPC (source: EP)
F27D 1/066 (2013.01); **F27D 11/02** (2013.01); **H05B 3/66** (2013.01)

Cited by
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