

Title (en)
ENCLOSED ELECTRIC STORAGE HEATER

Publication
EP 0061665 B1 19860219 (DE)

Application
EP 82102233 A 19820318

Priority
HU 77481 A 19810327

Abstract (en)
[origin: EP0061665A1] 1. Closed electrical heat storage furnace comprising an outer facing (1), core structure inside said outer facing and made of heat storing material, electrical heating coils (13) mounted inside said core structure, said core structure being enclosed by an insulating layer (3), and storage blocks each having an opening for the passage therethrough of the heating coils and arranged on top of each other in a plurality of rows, characterized by said storage blocks comprising bricks (4) U-shaped in cross section and disposed in pairs in each horizontal row so that their openings face each other to define a continuous duct (9) for receiving heating coils (13), said bricks (4) in each row being placed in a side-by-side relationship so that their small end faces engage each other, with the narrow longitudinal surfaces of the bridge portions of the U-shapes being placed on top of each other in adjacent rows, by a large-area heat exchanger provided between insulating layer (3) and outer facing (1), and by outer facing (1) being assembled from module elements.

IPC 1-7
F24H 7/02

IPC 8 full level
F24H 3/06 (2006.01); **F24H 7/02** (2006.01); **F24H 7/04** (2006.01); **F24H 9/18** (2006.01); **H05B 3/22** (2006.01)

CPC (source: EP)
F24H 7/0216 (2013.01); **F24H 9/1863** (2013.01); **H05B 3/22** (2013.01)

Cited by
EP0645592A1; ES2259906A1

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DOCDB simple family (publication)
EP 0061665 A1 19821006; EP 0061665 B1 19860219; AT E18095 T1 19860315; CA 1169460 A 19840619; DE 3269118 D1 19860327; HU 180406 B 19830328; JP S57184849 A 19821113

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