

Title (en)
Storage heater.

Title (de)
Wärmespeicher.

Title (fr)
Accumulateur de chaleur.

Publication
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Application
EP 90120844 A 19901030

Priority
GB 8924591 A 19891101

Abstract (en)
A laminar heat storage block (57) for use with a storage heater, which block includes a relatively thick layer (12 min) of an electrically conductive material which has a high volumetric heat capacity and a relatively thin layer (14 min) of an electrically insulating material having a volumetric heat capacity which is relatively high but lower than the volumetric heat capacity of the thick layer (12 min). In one form of the invention the block (10) does not have an electrical heating element for use in a heater which has an electrical resistance heater. In a still further form of the invention, a layer (58) of an electrically conductive resistance heating material is fixed to the outer face surface of the thin layer (14 min). The invention also consists of a method of making all forms of the storage block described above. The method includes forming a green brick in a die cavity from mixtures of clay and particulate materials having the desired thermal and electrical conduction and sintering the green brick, the heating elements applied to the electrically insulating face of the sintered brick.

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CPC (source: EP)
F24H 7/002 (2013.01)

Citation (search report)
• [X] BE 788745 A 19730102 - STETTNER & CO
• [A] DE 2205895 A1 19730111 - LAUBENDER WALTER R

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