

Title (en)  
Modular constructions for storage heaters.

Title (de)  
Speicherheizung in Modulbauweise.

Title (fr)  
Constructions modulaires des appareils de chauffage par accumulation.

Publication  
**EP 0071593 A2 19830209 (FR)**

Application  
**EP 82870043 A 19820729**

Priority  
EP 81200862 A 19810731

Abstract (en)  
1. Storage heater comprising a storage core (60) resting on a base (1) by means of a heat insulating means (42, 42'), heating elements (61) inserted in the storage core (60), a heat exchanger (13) connected by a deflecting cone (14) to a ventilation volute (15) of a motor fan (33-36) extracting the air through a distribution chimney (46), the ducts of the storage core (60) and a collecting chimney (47) ; the heat exchanger (13) the deflecting cone (14) the motor fan (33-36) and the ventilation volute (15) forming a closed unit (18) ; the base (1) provided with apertures for communication with the distribution chimney (46) and the collection chimney (47), characterised in that the closed unit (18) is provided with non-metallic sealing elements (23, 24, 64) preventing returns of air into the negative pressure zones in such a manner that this closed unit (18) thus made sealing-tight can be inserted without special precautions in the base (1), and in that the base (1), which is of robust construction, comprises a forebase (5) and an afterbase (9) of lighter construction which are rendered fast with the base (1) to form a casing (12) the bottom of which has over the extent of the base (1) a projection possibly constituted by an insulating element (3) in a protective container (4), on which the weight of the heater rests.

Abstract (fr)  
Cet appareil de chauffage par accumulation comporte un caisson (12) dans lequel se glisse un module (18) se composant d'un échangeur de chaleur (13) réuni à la volute (15) d'un moto-ventilateur (33-36) par un cône défecteur (14). Au-dessus du caisson (12) le noyau (60) équipé d'éléments chauffants (61) est entouré d'une superstructure métallique (58) se composant d'une cheminée avant (46), d'une cheminée arrière (47) et d'un couvercle (56) assemblés entre eux par emboîtement (50,51,57). Une barrière isolante (59) isole complètement la superstructure (58) et le noyau (61) du caisson (12) pour empêcher les courants de fuite engendrés par les éléments chauffants (60) d'atteindre le caisson (12).

IPC 1-7  
**F24H 7/04**

IPC 8 full level  
**F24H 7/04** (2006.01)

CPC (source: EP)  
**F24H 7/0433** (2013.01)

Designated contracting state (EPC)  
AT BE CH DE FR LI

DOCDB simple family (publication)  
**EP 0071593 A2 19830209; EP 0071593 A3 19831005; EP 0071593 B1 19860416;** AT E19298 T1 19860515; DE 3270617 D1 19860522

DOCDB simple family (application)  
**EP 82870043 A 19820729;** AT 82870043 T 19820729; DE 3270617 T 19820729