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(54) A composable structure for covering radiators, stiffened by the installation of the window.

(57) A structure for covering radiators, consisting of lateral uprights (1 and 2) provided with upper pins (3) for the fitting in holes provided in upper shelf (4), and comprising the front window (5) which, once applied by means of screws (6) in housings (3) of uprights (1 and 2), may be opened, and following to the closing thereof obtained by inserting the outwardly protruding pins (7) into resilient housings (8) joint to uprights (1 and 2), determins the stiffening and the self-supporting of the whole structure without our any frame.

FIG.1

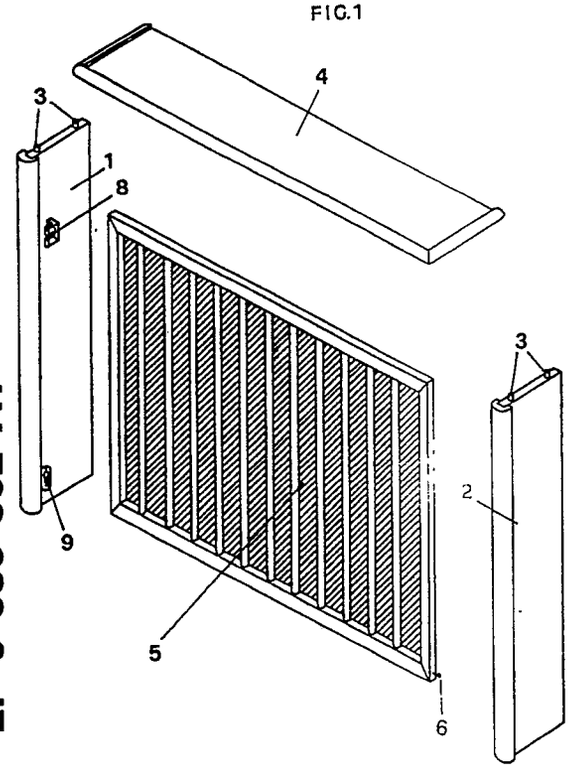
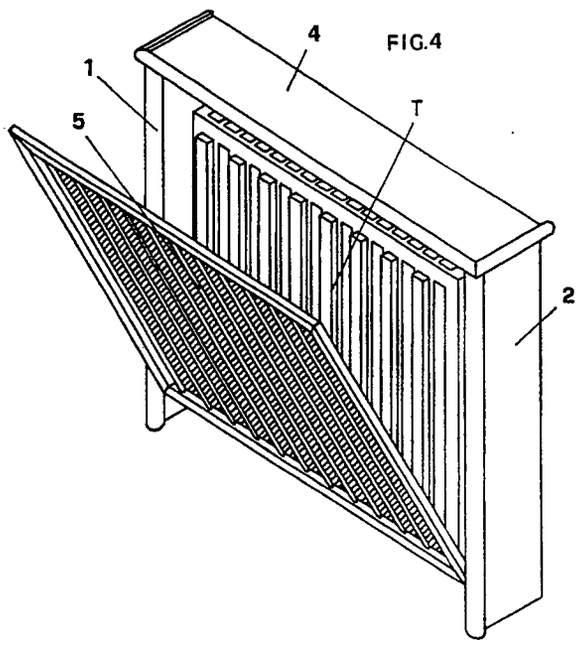


FIG.4



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A COMPOSABLE STRUCTURE FOR COVERING RADIATORS, STIFFENED BY THE INSTALLATION OF THE WINDOW

The present invention concerns a structure for covering radiators obtained with the composition of a plurality of elements the stability thereof being assured by the installation of the front window for the access to the radiator.

It is already well known that all covers for radiators known to those skilled in the art, and even those of the composable kind, are mainly consisting of a carrying frame that will provide the mechanical resistance to the whole structure, with a front window.

It is the aim of the present invention to realize a composable structure for covering radiators, without any stiffening frame, but provided with a similar mechanical resistance due to the presence of a different and, most of all, cheaper stiffening system.

The aim set forth is reached according to the present invention by means of a composable structure for radiator coverings that may be stiffened due to the installation of the fron window which, by means of two pins that may be connected to the lateral uprights in the lower part thereof, and two resilient, pressure connections inserted in the upper part of the inner walls of said uprights, determins the for mation of a rigid structure consisting of the elements placed around the same. The present invention will be explained more in detail gereinbelow referring to the enclosed drawings in which a preferred embodiment is shown.

Figure 1, shows an exploded perspective view of the components of the structure.

Figures 2 and 3, show the two details of the hooking means.

Figure 4, shows the installed structure with the access window being half opened.

Referring to the details of the drawings, the structure consists of uprights 1 and 2 that may be connected, by fitting pins 3 to the upper shelf 4 around the radiator panelT.

Said structure, at the described assembling phase, seems to be unsteady, and the main feature of the object according to the present invention consists in that following to the installation of the front window 5 by means of screws 6 or similar in housings 9 of uprights 1 and 2, and by means of the consequent closing of said window 5, by inserting the outwardly protruding pins 7 into resilient housings 8, joint to said uprights, the whole structure results to be stiffened all around said window 5.

The main advantage of the object of the present invention consist in the low cost due to the elimination of all realization details which, in those structures of known kind, have the purpose of stiffening the frame.

Claims

1. A composable structure for covering radiators comprising two lateral uprights (1 and 2) and one upper shelf (4) that may be connected by fitting, characterized in that it may be stiffened following to the installation of the front window (5) that is the central element for the support of the whole structure.

2. A composable structure for covering radiators according to claim 1,characterized in that the window (5) is hinged downwards by means of screws (6) in the housings (9) of the uprights (1 and 2), and in that said window is upwards closed by means of the protruding pins (7) in resilient housings (8) of the uproghts (1 and 2), thus obtaining the stiffening of the whole structure.

3. A composable structure for covering radiators according to claim 1, characterized in that the upper shelf (4) is connected, by means of the fitting of pins (3), to the upper portion of lateral uprights (1 and 2).

FIG.1

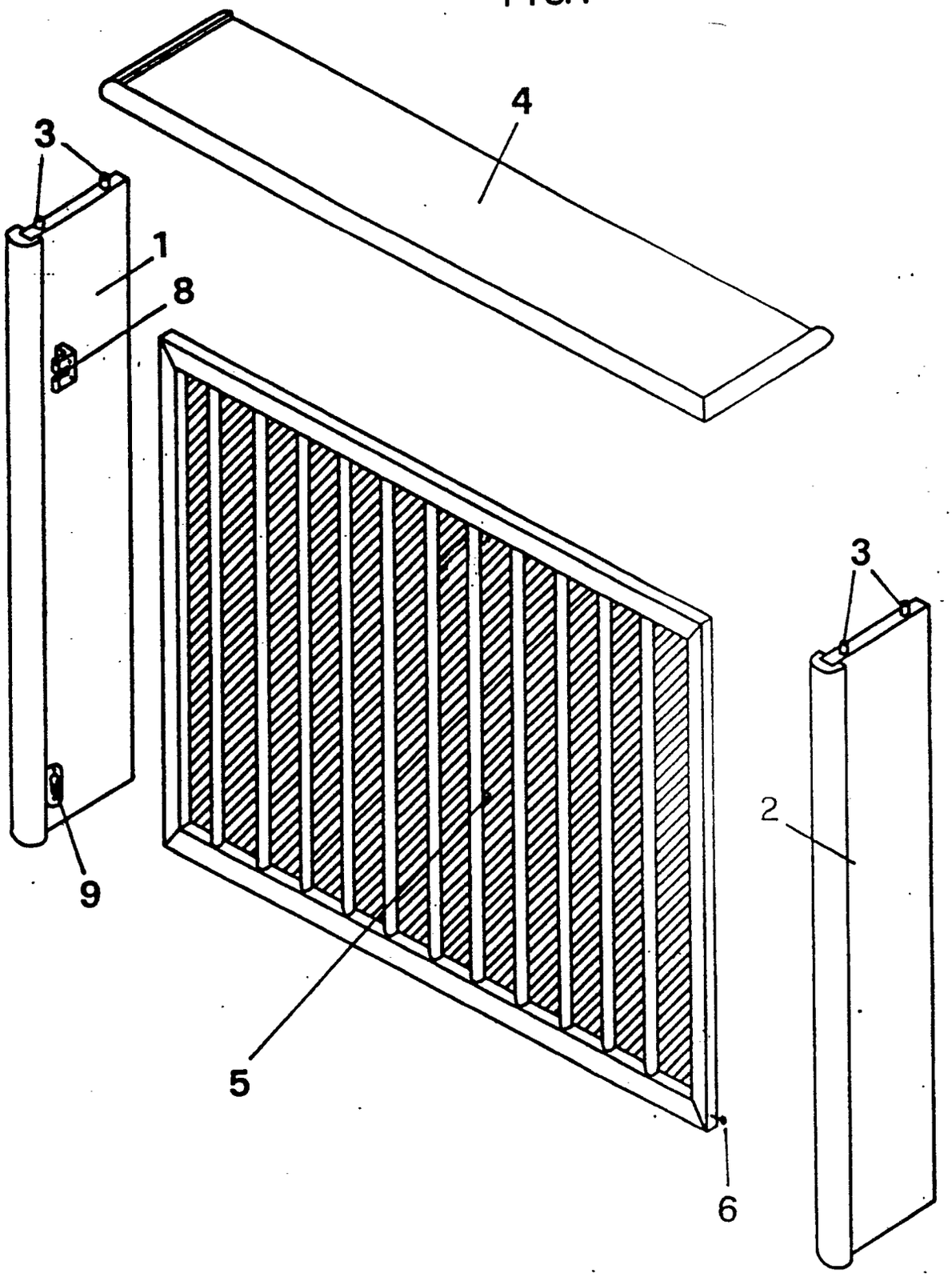


FIG.4

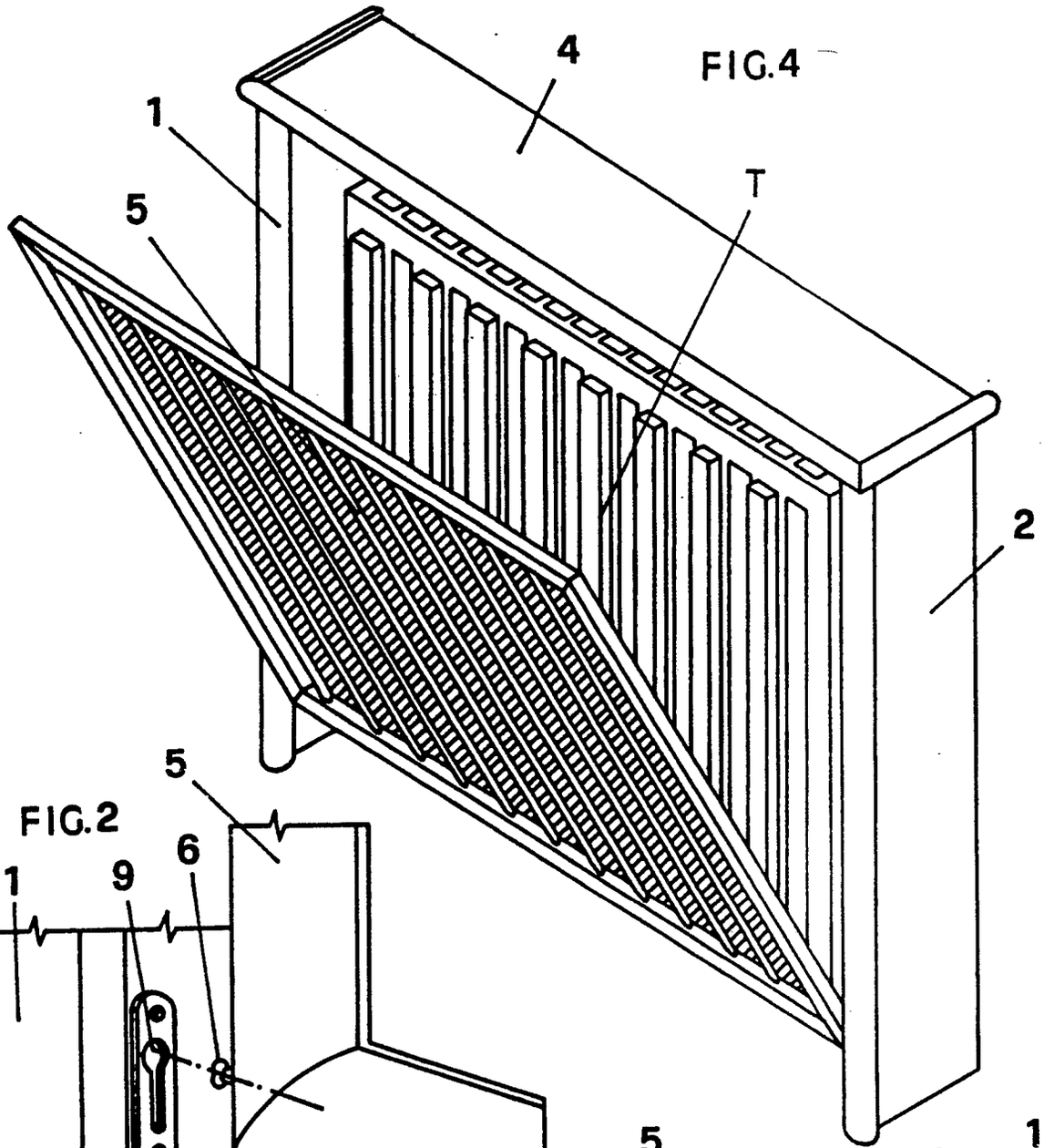


FIG.2

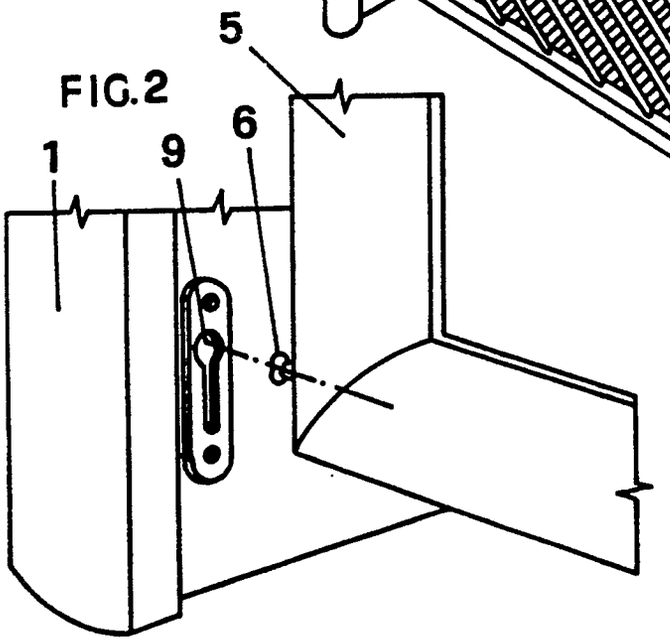
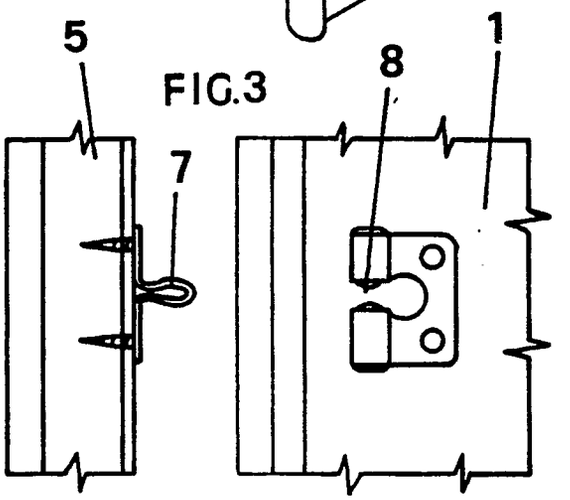


FIG.3



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EUROPEAN SEARCH REPORT

Application Number

EP 89 83 0108

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	FR-A- 989 751 (SOCIETE ANONYME DES USINES CHAUSSON) * Figures *	1	F 24 D 19/06
A	US-A-2 865 569 (LEVENBERG) * Figures *	1	
A	US-A-1 575 632 (LEWIS) * Figures *	1,2	

TECHNICAL FIELDS SEARCHED (Int. Cl.5)

F 24 D

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	07-11-1989	VAN GESTEL H.M.

CATEGORY OF CITED DOCUMENTS

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