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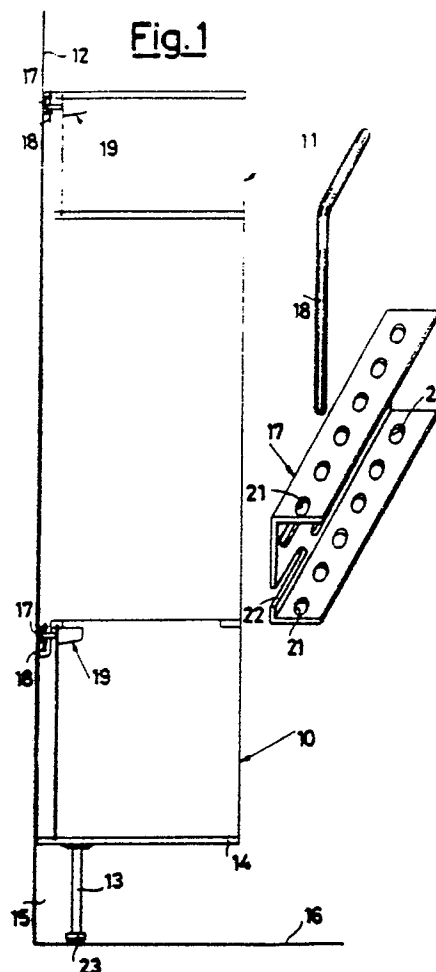
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**24**  
**I-20123 Milano(IT)**(54) **Mounting array for furniture.**

(57) Mounting array for furniture wherein at least one basic unit, for placing against a wall, is supported on the floor solely by means of a set of legs mounted rearwardly at a certain distance from said wall, and, to prevent overturning, is anchored to the wall by freely releasable and position-wise adjustable anchorage means.



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## MOUNTING ARRAY FOR FURNITURE

The present invention relates to a characteristic and advantageous mounting array for furniture, chiefly regarding, but not confined to, kitchen furniture.

The overall object of the invention is to embody a piece of furniture, particularly kitchen furniture, which, although having an aesthetic appearance identical to that of wall-hung furniture, can support very considerable loads in a troublefree manner.

Another object of the invention is to embody a mounting array for furniture that provides a convenient free space for service pipes and wiring (water, gas, electricity) to pass through.

The aforesaid objects are attained by a mounting array wherein at least one basic furniture unit, intended for placing against a wall, is supported on the floor only by means of a set of legs mounted rearwardly and at a certain distance from said wall and, to prevent overturning, is anchored to said wall by freely releasable and position-wise registrable anchoring means.

The anchoring means preferably comprise hooking devices fixed to the piece of furniture; such devices, through the intermediary of pins, are restrained in a freely removable manner to a tie-beam fixed to said wall.

For preference, said tie-beam has a "C"-shaped cross section and its opposed flanges feature a plurality of pairs of aligned holes each adapted to accept a pin passing through a hook of a relative hooking device.

The structural and functional characteristic of the invention, and its advantages over the known art, will become more apparent from an examination of the following description, referred to the appended drawings illustrating an example of mounting array embodied according to the innovative principles of the invention. In the schematic drawings:

-Figure 1 is a vertical section showing the said mounting array; and

-Figure 2 is an enlarged view illustrating the wall-anchorage system for the single modular units composing the piece of furniture.

In Figure 1 of the drawings the numeral 10 indicates a schematic representation of the basic furniture unit, and the numeral 11 indicates a column unit, both for example forming part of a composite or sectional kitchen, for mounting against a wall 12.

According to the invention, the basic unit 10 is mounted on a set of rear legs 13 (at least two) fixed to the base 14 in a position such that there is formed between them and the wall 12 a free space 15 suitable for the passage of service pipes and wiring (water, gas, electricity).

The free space 15 can be closed by applying an ordinary baseboard (not shown) which to such end is provided with elements for hooking onto the legs 13.

The legs 13 will be such as to ensure a stable support of the basic unit 10 on the floor 16, and thus the unit 10 can support considerable workloads, for example those resulting from the placement of a working surface, a sink or in any case a content of heavy objects.

The basic unit 10 is prevented from overturning by being anchored to the wall 12 through the intermediary of a system comprising a tie-beam secured to the wall 12 proximally to the upper surface of the unit 10, to which tie-beam there are connected, by means of respective pins 18, position-wise adjustable hooking devices 19 generally fixed proximally to the shoulders of the basic unit 10.

More specifically, and preferably, the hooking device 19 can be of the type described and illustrated in Italian Utility Model Application 20616 B/80 filed on January 29, 1980 in the name of CAMAR S.p.A..

The device 19 has an endless hook 20 which is anchored to the tie-beam 17 by means of the pin 18 which traverses it by passing through a pair of aligned holes 21 provided on the opposed flanges of the "C"-cross sectional shaped tie-beam 17.

The body of the tie-beam is fixed to the wall by means of inserts (not shown) introduced between the longitudinal slots 22 which permit a longitudinal position-wise adjustment of the tie-beam on the wall 12.

The planarity of the piece of furniture can be regulated both by acting on the regulation nut 23 of known type featured on each leg 13, and by acting on the regulation screw 24 of the device 19 so as to allow the hook-element 20 to be more or less extracted with respect to the body of the device 19 and then locked stably against the pin 18.

Figure 1 of the drawings clearly shows how the column unit 11 can be simply rested on its legs 13 and anchored to the wall 12 using the same anchorage system as has been described heretofore.

It will be seen that, with the mounting array according to the invention, it is possible to embody furniture items, particularly for composite or sectional kitchens, that have the same pleasing aesthetic appearance as wall-hung furniture items and, at the same time, have the same stability as those rested fully on the floor. 5

A furniture item according to the invention can effectively support considerable loads, both static and dynamic, owing to the combination of the rear legs 13 -practically out of sight-and the system of anchorage to the wall which prevents the furniture item from overturning and which has to support a minimal part of the loads involved. 10

In addition, the free space 15 formed between the wall 12 and the legs 13 which, even at a distance in time, allows a troublefree passage of service pipes and wiring, is of particular convenience. 15

Also highly convenient is the releasable anchorage system to the wall of the furniture units, which can be demounted simply by acting on the screws 24 of the devices 19 and sliding the connector pins 18 out of the tie-beam 17. 20

The anchorage system described above with reference to Figure 2 is presented for exemplifying purposes only, and other systems can be used without thereby exceeding the scope of the present invention. 25

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## Claims

1) Mounting array for furniture wherein at least one basic unit, for placing against a wall, is supported on the floor solely by means of a set of legs mounted rearwardly at a certain distance from said wall, and, to prevent overturning, is anchored to the wall by freely releasable and position-wise adjustable anchorage means. 35 40

2) Device as described in claim 1, wherein the said anchorage means comprise registrable hooking devices fixed to the piece of furniture which, by means of pins, are restrained in a freely removable manner to a tie-beam fixed to said wall. 45

3) Device as described in claim 1, wherein said tie-beam has a "C"-shaped cross-section and its opposed flanges feature a plurality of pairs of aligned holes each adapted to accept a pin passing through a hook of a relative hooking device. 50

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