

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11)

**EP 0 884 443 A2**

(12)

**EUROPEAN PATENT APPLICATION**

(43) Date of publication:  
**16.12.1998 Bulletin 1998/51**

(51) Int Cl.<sup>6</sup>: **E06B 3/54**

(21) Application number: **98560001.4**

(22) Date of filing: **09.06.1998**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(71) Applicant: **Fibrocar, S.L.**  
**46740 Carcaixent (Valencia) (ES)**

(72) Inventor: **Ortega Bohiges, Juan Jose**  
**46740 Carcaixent, Valencia (ES)**

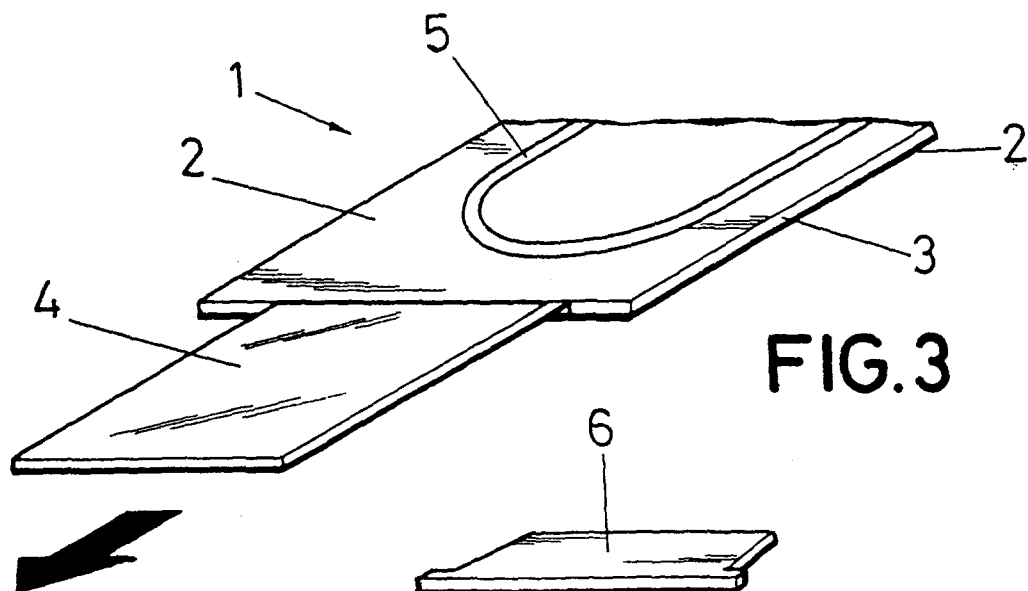
(30) Priority: **10.06.1997 ES 9701617 U**

**(54) Improved disposals applicable to glassed doors**

(57) The door is formed with two sheets (2,2') which can be made of different materials such as wood, plastic, metal and so on, and a core (3). There are no separate mouldings for fixing the glass. Instead the mouldings (5) form a part of the sheets (2,2'). The replacement and introduction of the glass (4) can be made from the

superior, inferior or corner sides.

The central area of the core (3) is provided with a cut out part which opens laterally to one of the top, bottom or side edges of the door (1). That lateral opening can be blocked by a separate piece (6), which after insertion of the glass pane holds the pane inside the door.



**FIG.3**

**EP 0 884 443 A2**

## Description

### AIM OF THE INVENTION

This descriptive memorandum is related to an application of Model of relative Use to an improved disposition applicable to doors with glass, whose clear aim is to make easier and simplify the replacement of the glass which are incorporated on the same body of the door avoiding this way the usual form rather complicated, which is totally different when it is placed in the body of the door.

### FIELD OF THE INVENTION

This invention is applicable in the industry dedicated to the manufacturing of doors, especially doors with glass.

### DESCRIPTION OF THE INVENTION

The improved disposition applicable to doors with glass, which the invention proposes, is itself something very new in the area of this application, because with the use of this disposition applicable to doors with glass, one can reduce the operations derived from the replacement of the own glass.

More concretely, the disposition applicable to doors with glass, is formed, having a door with a front and back face, shaped with covering sheets of any material, including plastic, wooden, metal (or others) sheets. Showing all the doors as common a central area with an open place with locks, in which the glass is incorporated, with the possibility of more than one place to hold the glass, with or without the helping of mouldings. It shows in the interior of the body a place that you can get in from the corners, made of the same material (or similar) of the door, which is put in between the two covering sheets, building an access area. Through it, one puts the glass in.

Externally the door shows in the perimetral area of the openings, mouldings of any material or form. Between them one makes the incorporation of the glass or also other thing that work as holders of the glass, made with the material that one considers in each moment.

When the time of replacing a new glass because the previous one was broken, or simply to change the ornament, the worker only will take out the glass through the opening of a piece of access to the interior to be replaced by a new one.

The same way one can reach the complementary holes, in which you can put the glass in, whose access will be at the sides, putting the glass in the right place for it, having taken aside the pieces that lock it which can optionally not to have the covering sheets, making an area of access having the door hard wooden or similar material.

## DESCRIPTION OF THE FIGURES

To complement the description it is being done, and with the aim of helping for a better understanding of the characteristics of this invent, two plans are enclosed with the finality of illustrating, and it is represented the following.

Figure number 1: It shows a perspective view of the superior face of a sheeted door, in which the incorporation of the improved disposition applicable to doors with glass has been made.

Figure number 2: It shows a view in perspective of the part of the door represented in figure number 1, in which it is incorporated the disposition of the invention, being possible to appreciate the area of access, and introduction of the glass and the piece of locking.

Figure number 3: It shows a perspective view of the object represented in figure number 2, in the right moment in which the extraction of the glass is being made. It is going to be replaced by another through the hole which is free after the extraction of the piece of closing.

Figure number 4: It shows a similar view to the represented in figures 2 and 3, in the right moment the fixation of the glass, which has been replaced, is being made.

Figure number 5: To finish it shows a view in plant of doors without sheeting, in which the incorporation of the object of this invention has been given, when the door is formed without the covering sheet, and being able to incorporate several areas with glasses.

### PREFERABLE REALIZATION OF THE INVENTION

Watching these figures one can observe, as the improved disposition applicable to doors with glass, is constituted in a door (1), which is in the core (3) of any nature, preferable wood, redressed in its both front and back sides (2) and (2'), respectively, by sheets of any material, included wood, plastic, metal, etc. It shows a quite wide opening which can close (7) in which a glass is placed (4) kept by a perimetral covering (5), which can be formed by mouldings of any material: jonquils or even a body of any nature tahat shows the possibility of being applicated as nex of retention of the glass incorporated between the two perimetral elements which are round the opening where the glass is placed.

In order to make easier the extraction of the glass (4) of the central part of the door (1), has been taken into account the incorporation in an area of the core (3), an opening which is located between the two sheet covering (2) and (2'), through which the extraction and replacement of the glass is done, opening which will be blocked afterwords by a piece which has got a similar measure and thickness, and even the same material.

Paying attention to the figures (2) and (3), it is observed that between the sheets (2) and (2') and in the core, the extraction of a piece has been made (6), with it one has a hole of direct access to the glass (4); through

it the extraction of it is made. As can be seen in figure number 3, allowing the reincorporation of the same through the hole (7); as can be seen in figure (4) and the glass is just put in.

Watching figure number (5), it is observed, as optionally, the door built without sheet coverings (2) and (2'), and made as a general core (3). It allows the previous extraction from the body (6), a direct access to the area (7) where the glass is placed in, (4), being possible to implement a door with several areas with places for glass (7) and (7') where ornamental glass is incorporated (4) and (4'), and pieces of supplementary fixation, placed at the sides are incorporated (6) and (6').

It is not necessary to extend this description because any expert in the matter understand the reach of this invention and all the advantages which are derived from it.

The materials, forms, size and disposition of the elements can vary, always it doesn't make any change in the essentiality of the invent.

The terms in which this memo has been written will have to be taken as a wide character and not as limitative.

showing besides the piece (6), similar complementary pieces (6') of the area of the door.

## Claims

1. Improved disposition applicable to doors with glass, addressed especially to make easier the replacement of the glass incorporated and doors formed by a central core (3) of any nature, covered by wooden, plastic or metal sheets in its front and back side (2) and (2'), showing the central part a holed and closing part (7), where the glass is incorporated, having the glass a perimetral covering, incorporated on both sides of the door (1), shaping a moulding, jonquil or something of the same nature, characterized because to the core, an extraction of material, in a part which faces the area, is done (7). There the glass is incorporated (4), in a similar way to the rest of the core not covered by the glass, showing an acces between the shapes (2) and (2') through it the placement or extraction of the glass is done (4).
2. Improved disposition applicable to doors with glass, as the first claim, characterized because the door, optionally, can be made in a hard monoblock material, without sheet covering (2) and (2'), shaping the disposition as a piece of identical material to the rest of the door (1), which complements the area not covered by the glass, allowing its extraction and let the glass access to the area of placement with or without mouldings (5).
3. Improved disposition applicable to doors with glass, as the above claims, characterized because the door (1) can optionally have more than an area (7) destined to the incorporation of glass (4) or (4'),

