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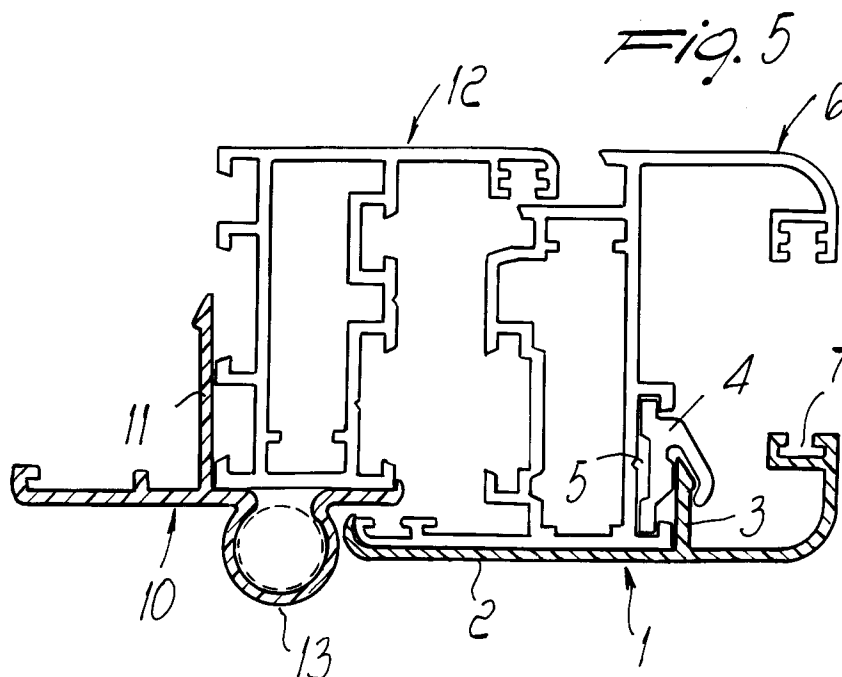
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I-20123 Milano (IT)(54) **Multipurpose trimming device for profiled members of casements and the like.**

(57) A multipurpose trimming device for profiled members of casements and the like including a leaf covering profiled member (1) having a body (2) which can be superimposed on the internal surface

of a leaf profiled member (6) and is provided with a tooth (3) for coupling to the leaf profiled member (6). The body (2) forms a pane retention element at a lateral edge.

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The present invention relates to a multipurpose trimming device for profiled members of casements and the like.

As is known, casements formed with profiled members made of aluminum and the like usually have a leaf frame to which pane retention profiled members are connected to keep the glass pane in position.

A discontinuity line thus forms between the pane retention profiled members and the profiled member of the leaf which, in addition to raising aesthetic problems, forms a region in which defective tightness may occur.

A similar problem occurs with fixed-frame profiled members, since it is necessary to apply a trimming profiled member which in practice covers the fixed structure proximate to the frame application region.

Furthermore, the usual accessories which are connected to a casement, such as hinges and the like, constitute an element of discontinuity in the unit which can considerably compromise the aesthetic appearance of the frame.

Another problem is constituted by the fact that the extruded profiled members are preset, directly at the time of use, in a preset color which in practice cannot be modified; this does not allow the user to change the color of the casement except by changing the entire casement.

Another drawback is furthermore constituted by the fact that various types of profiled members which sometimes have different thicknesses are often mutually coupled, consequently forming surface discontinuities.

The aim of the present invention is to solve the problems described above by providing a multipurpose trimming device for profiled members of casements and the like which is coupleable to the internal face of both leaf and main frame profiled members, thus allowing to make the appearance of the internal surface of a casement independent of the remaining part thereof.

Within the scope of the above aim, a particular object of the invention is to provide a trimming device which allows to create surface continuity both on leaf profiled members and on fixed-frame profiled members.

Another object of the present invention is to provide a trimming device which can harmonize with the accessories provided on a casement, such as hinges and the like, thus combining the functional characteristics of profiled member covering with the aesthetic characteristics of casement harmonization.

A further object of the present invention is to provide a trimming device which allows to vary the actual thickness of the casement, allowing both to increase the total thickness of the casement and to

compensate for any differences in thickness.

Another object of the present invention is to provide a trimming device which can be easily and rapidly applied to an installed casement without having to resort to a particular addition of labor.

This aim, the objects mentioned and others which will become apparent hereinafter are achieved by a multipurpose trimming device for profiled members of casements and the like, according to the invention, characterized in that it comprises a leaf covering profiled member having a body which can be superimposed on the internal surface of a leaf profiled member and is provided with a tooth for coupling to said leaf profiled member, said body forming a pane retention element at a lateral edge.

Further characteristics and advantages of the invention will become apparent from the description of a preferred but not exclusive embodiment of a multipurpose trimming device for profiled members of casements and the like, illustrated only by way of non-limitative example in the accompanying drawings, wherein:

figure 1 is a schematic perspective view of a leaf covering profiled member;

figure 2 is a schematic perspective view of a frame covering profiled member;

figure 3 is a schematic view of a conventional casement;

figure 4 is a view of the casement with both leaf and fixed-frame covering profiled members applied;

figure 5 is a transverse sectional view of the covering profiled members applied to the leaf and frame profiled members.

With reference to the above figures, the multipurpose trimming device for profiled members of casements and the like, according to the invention, comprises a leaf covering profiled member, generally designated by the reference numeral 1, which has a body 2 forming the exposed surface. A tab 3 extends from the face opposite to the exposed surface and is coupleable in a snap-together manner in a clip 4 which is accommodated in the seat 5 formed by the leaf profiled member, generally designated by the reference numeral 6.

The body 2 fully overlaps the internal surface of the leaf profiled member 6, thus forming the other exposed face of the leaf frame.

Furthermore, the covering profiled member 1 forms, at a lateral edge, a pane retention element, designated by the reference numeral 7, thus combining two functional characteristics: the first one is to cover the frame, and the second of which is to act as a pane retention element, with the advantage of having a large supporting base, since the profiled member is fully superimposed on the leaf profiled member, allowing for a more stable cou-

pling.

Furthermore, the portion which remains exposed does not have the typical discontinuity between the leaf frame and the pane retention profiled member, since it is integrated in a single unit.

Similarly, it is possible to provide a frame covering profiled member, generally designated by the reference numeral 10, which is provided with a tab 11 for coupling to the frame profiled member 12.

Said frame covering profiled member also acts as a joint covering element, since in addition to overlapping the exposed part of the frame profiled member it can overlap the fixed structure, thus forming a covering and continuity element.

Furthermore, the frame covering profiled member can have protruding elements 13 which mate with the contour of the hinge, in practice accommodating and concealing it inside said elements.

Naturally it is possible to use different configurations and it is also possible to provide covering profiled members which have a tubular cross-section, so as to be able to vary the useful thickness of the casement.

It can thus be seen that the invention achieves the intended aim and objects, and in particular the fact is stressed that a trimming device which allows to cover the internal face of the frame is provided, with the advantage of being able to use different aesthetic solutions for the same casement and with the possibility of making the coloring and appearance of the internal surface of the casement independent of the coloring and appearance of the external surface.

Furthermore, as previously mentioned, it is also possible to create dimensional continuity if, due to manufacturing requirements, profiled members having different thicknesses are used to manufacture the frame.

The covering profiled members furthermore completely cover the leaf profiled members and embed the typical parts which compose casements, such as for example the pane retainer or the joint cover.

The invention thus conceived is susceptible to numerous modifications and variations, all of which are within the scope of the inventive concept.

All the details may furthermore be replaced with other technically equivalent elements.

In practice, the materials employed, as well as the contingent shapes and dimensions, may be any according to the requirements.

Where technical features mentioned in any claim are followed by reference signs, those reference signs have been included for the sole purpose of increasing the intelligibility of the claims and accordingly such reference signs do not have any limiting effect on the scope of each element identified by way of example by such reference

signs.

Claims

1. Multipurpose trimming device for profiled members of casements and the like, according to the invention, characterized in that it comprises a leaf covering profiled member (1) having a body (2) which can be superimposed on the internal surface of a leaf profiled member (6) and is provided with a tooth (3) for coupling to said leaf profiled member, said body (2) forming a pane retention element (7) at a lateral edge.
2. Trimming device according to claim 1, characterized in that it comprises a tab (3) which is provided with a tooth extending from said body (2) and coupleable to a clip (4) which is associated with said leaf profiled member (6).
3. Trimming device according to the preceding claims, characterized in that said covering profiled member (1) is coupleable to the leaf profiled member (6) by insertion from the front.
4. Multipurpose trimming device for profiled members of casements and the like, characterized in that it comprises a fixed-frame covering profiled member (10) having a body which can be superimposed on the internal surface of a fixed-frame profiled member (12) and is provided with a tooth (11) for coupling to the fixed frame, said body forming a joint covering element at a lateral edge.
5. Trimming device according to one or more of the preceding claims, characterized in that said fixed-frame covering profiled member (10) has protruding elements (13) which are suitable to couple to the contour of the accessories of the casement.
6. Trimming device according to one or more of the preceding claims, characterized in that said leaf covering profiled members (1) and said frame covering profiled members (10) have a tubular cross-section to vary the thickness of said casement.

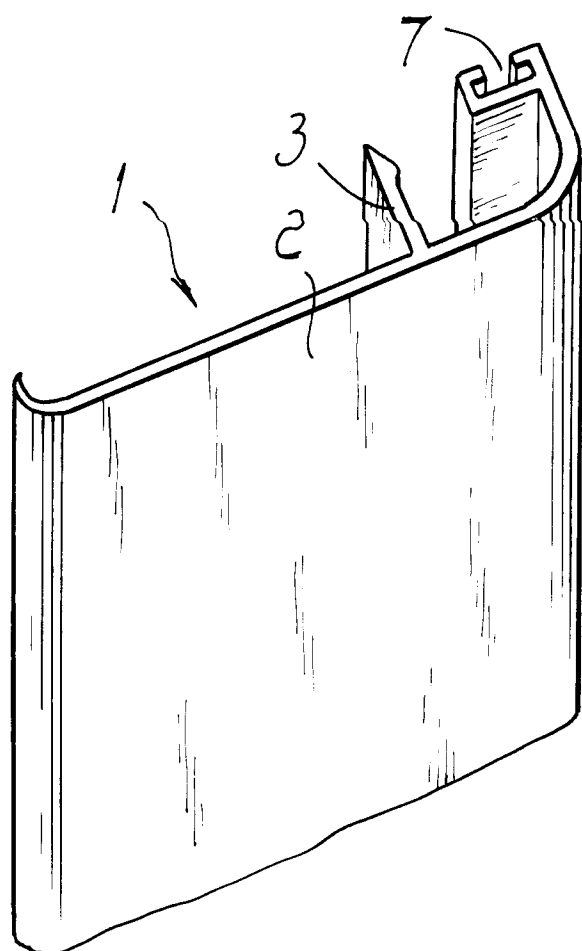


Fig. 1

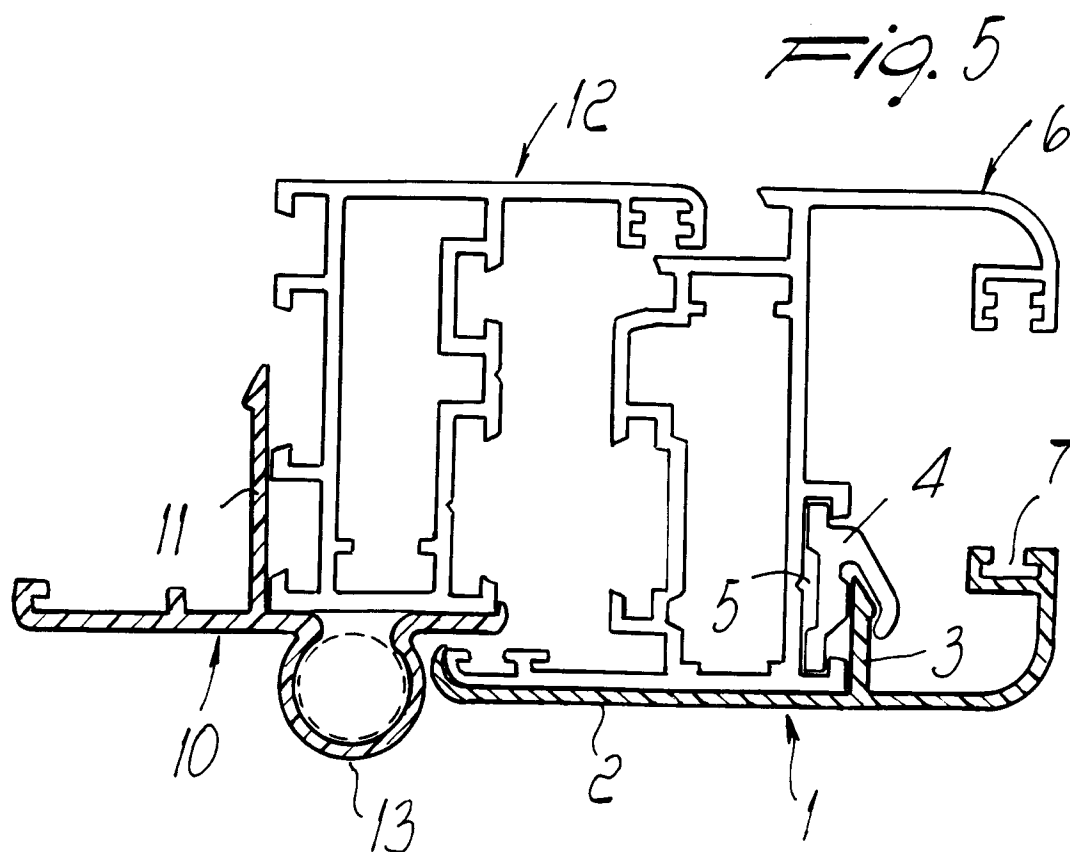
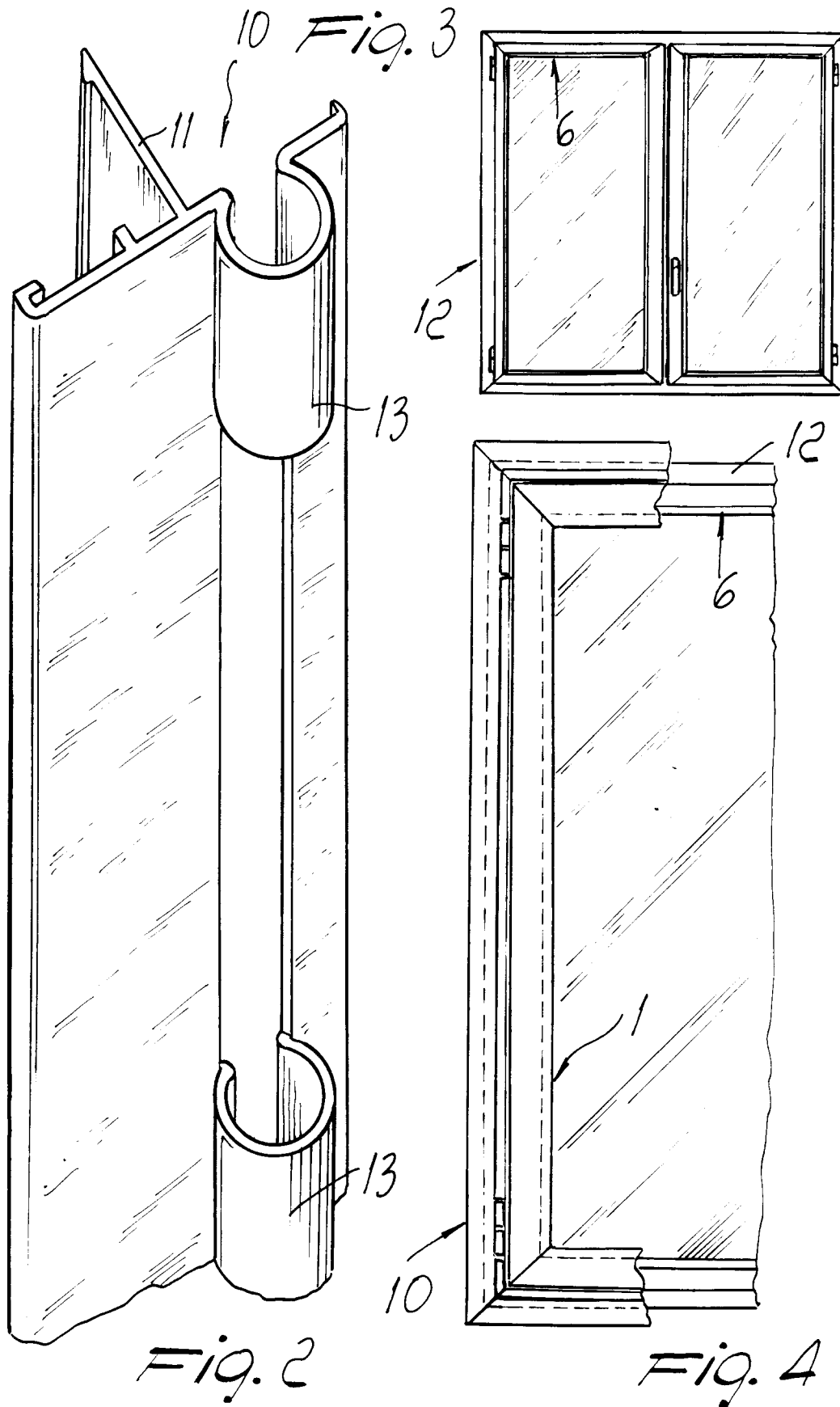


Fig. 5





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EUROPÄISCHER RECHERCHENBERICHT

Nummer der Anmeldung
EP 93 12 0403

EINSCHLÄGIGE DOKUMENTE		
Kategorie	Kennzeichnung des Dokuments mit Angabe, soweit erforderlich, der maßgeblichen Teile	Betrifft Anspruch
X	AT-B-297 290 (SCHINDLER) * Seite 2, Zeile 10 - Zeile 27; Abbildung 1 *	1-4

X	FR-A-1 276 407 (GLISSA) * Seite 1, rechte Spalte, Absatz 3 - Seite 2, linke Spalte, Absatz 2; Abbildungen *	1-4

X	GB-A-2 065 207 (SCHUCO) * Seite 2, Zeile 93 - Zeile 108; Abbildungen *	1-4

X	CH-A-330 031 (METALLBAU HIRSCH)	1,3,4
Y	* das ganze Dokument *	5

X	DE-A-16 83 520 (SCHÜCO) * Seite 5, Absatz 3 - Seite 6, Absatz 4; Abbildungen 2,3 *	1,6

Y	FR-A-1 432 736 (MILLESCAMPS) * Seite 2, linke Spalte, Absatz 6 - rechte Spalte, Absatz 9; Abbildungen 1-4 *	5

Der vorliegende Recherchenbericht wurde für alle Patentansprüche erstellt		
Recherchenort	Abschlußdatum der Recherche	Prüfer
DEN HAAG	19. April 1994	Depoorter, F
KATEGORIE DER GENANNTEN DOKUMENTE		
X : von besonderer Bedeutung allein betrachtet Y : von besonderer Bedeutung in Verbindung mit einer anderen Veröffentlichung derselben Kategorie A : technologischer Hintergrund O : nichtschriftliche Offenbarung P : Zwischenliteratur		
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