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E1J JGD

(56) Documents cited

GB 2201179 A

GB 1459001 A

EP 0114218 A2

WO 83/02479 A1

US 4272931 A

(58) Field of search

UK CL (Edition K) E1J JGA JGD JGE JGF JGK

INT CL⁵ E06B

(54) Window frame cladding

(57) There is disclosed a timber clad, extruded window frame member comprising an extruded frame member 11 having a clad face 12 comprising a dovetail section 13 and a timber cladding 14 having a complementary dovetail section 15 engaged thereon.

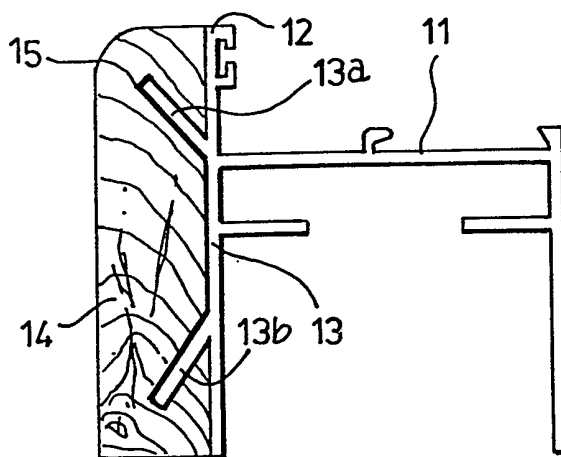


FIG.1

At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

This print takes account of replacement documents submitted after the date of filing to enable the application to comply with the formal requirements of the Patents Rules 1990.

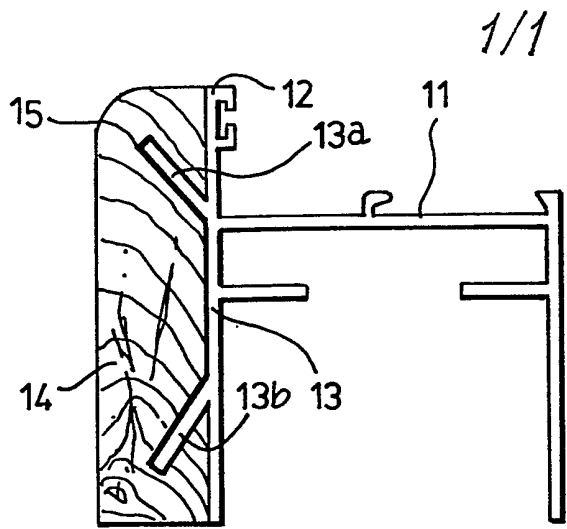


FIG.1

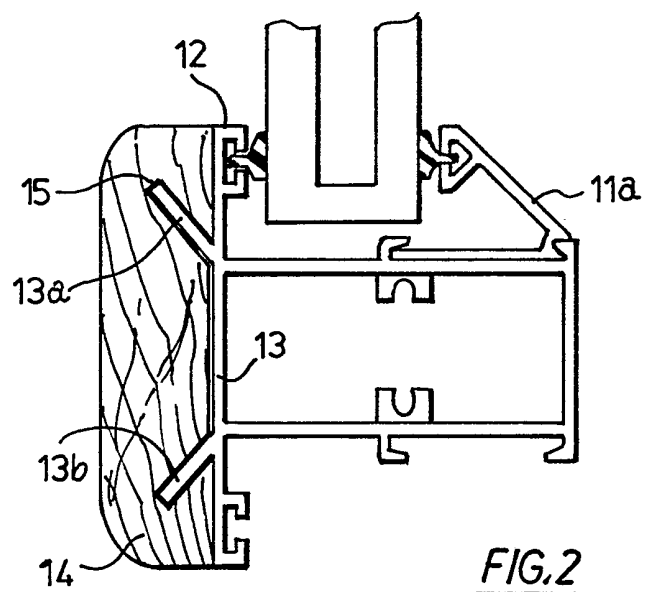


FIG.2

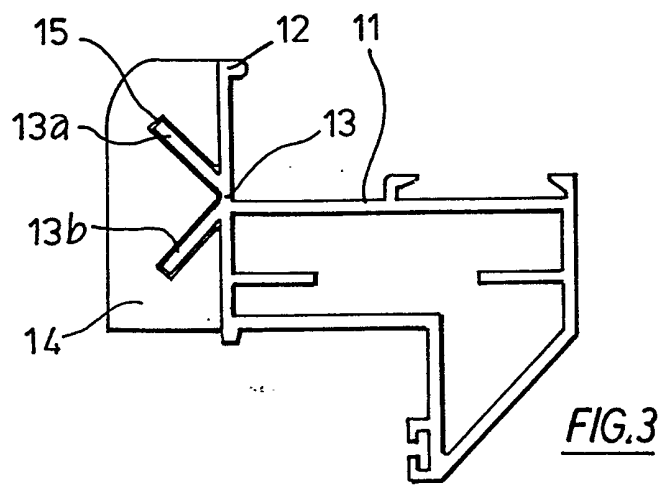


FIG.3

WINDOW FRAMES

This invention relates to window frames and particularly such of extruded material such as aluminium or plastics materials.

Aluminium frames, unless the extrusion's exposed surface is properly finished, tend to corrode over time. Plastics materials frames, whilst not liable to corrosion, are not particularly attractively finished, and in any event provide for little choice of colour or texture.

The present invention provides window frames improved in these regards over prior art frames.

The invention comprises a timber clad, extruded window frame member comprising an extruded frame member having a clad face comprising a dovetail section and a timber cladding having a complementary dovetail section engaged thereon.

By "timber" is meant wood or plastic extrusion or moulding having the appearance of wood or any other decorative finish. The general idea is that the structural and functional frame members are produced in the usual way by extrusion while a more expensive or

less structurally or functionally suitable material of, however, a more traditional or decorative appearance is attached to the extrusion so as to cover up the undecorative extruded frame section.

The dovetail section may be skeletal, that on the extrusion needing to comprise only angled fins over which the correspondingly grooved cladding can be slid.

The arrangement is suitable for main frame members, mullion and transom members and for sash window frame members.

The invention also comprises window frames made up of frame members according to the invention. It will be appreciated that not all the frame members of a window need be clad, or, if clad, clad in the same material.

Embodiments of timber clad, extruded window frame members according to the invention will now be described with reference to the accompanying drawings, in which :-

Figure 1 is a section through a main frame member;

Figure 2 is a section through a mullion or transom member;

and Figure 3 is a section through a sash member.

The frame members illustrated in Figures 1 to 3 comprise an extruded frame member 11 having a clad face 12 comprising a dovetail section 13, and a timber cladding 14 having a complementary dovetail section 15 engaged on the section 13.

The dovetail section in each case is skeletal, comprising angled fins 13a,13b arranged such that the cladding is held fast against removal except, of course, by sliding along the fins 13a,13b during assembly.

The cladding 14 can of course be of any desired profile and need not, as mentioned above, be of wood, though wood will be preferred to give a traditional appearance.

The cladding 14 is disposed on the inside of the frame as illustrated, the glazing bead 11a (shown only in Figure 2) being external. Cladding could likewise, however, be applied to the external face of the window if desired.

CLAIMS

1. A timber clad, extruded window frame member comprising an extruded frame member having a clad face comprising a dovetail section and a timber cladding having a complementary dovetail section engaged thereon.
2. A frame member according to claim 1, in which the dovetail section is skeletal.
3. A frame member according to claim 1 or claim 2, comprising a main frame member.
4. A frame member according to claim 1 or claim 2, a transom or mullion member.
5. A frame member according to claim 1 or claim 2, comprising a sash frame member.
6. A window frame made up of members according to any one of claims 1 to 5.

-5-

Patents Act 1977
Examiner's report to the Comptroller under
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Relevant Technical fields

- (i) UK CI (Edition K) E1J: JGA, JGD, JGE, JGF, JGK
- (ii) Int CI (Edition 5) E06B

Search Examiner

J ROWLATT

Databases (see over)

- (i) UK Patent Office
- (ii)

Date of Search

27.01.92

Documents considered relevant following a search in respect of claims 1-6

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
X, Y	GB 2201179 A (SMITH & SONS (EXTRUSIONS)) - see cladding member 30	1-6
X, Y	GB 1459001 A (KELLER) - see cladding member 9	1-6
Y	EP 014218 A2 (SCHUCO) - see cladding member 10	1-6
X, Y	WO 83/02479 A1 (NIELSEN) - see cladding member 22	1-6
X, Y	US 4272931 A (STANIZZO) - see cladding member 3 in figure 2	1-6



Category	Identity of document and relevant passages	Relevant to claim(s)

Categories of documents

X: Document indicating lack of novelty or of inventive step.

Y: Document indicating lack of inventive step if combined with one or more other documents of the same category.

A: Document indicating technological background and/or state of the art.

P: Document published on or after the declared priority date but before the filing date of the present application.

E: Patent document published on or after, but with priority date earlier than, the filing date of the present application.

&: Member of the same patent family, corresponding document.

Databases: The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).