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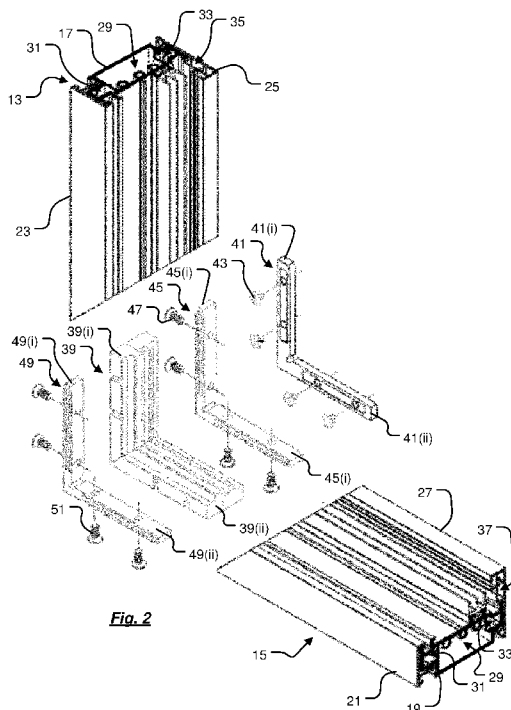
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(54) Title: APPARATUS FOR COUPLING HYBRID FRAME COMPONENTS



(57) Abstract: Apparatus for coupling a first (13) and a second (15) hybrid frame component of a window or door together, wherein said first and second frame components each comprise a core (17, 19) to which a fascia panel (25, 27) has been coupled, each of said cores including an internal void (29), the apparatus comprising: a first coupling component (30) having first (39(i)) and second (39(ii)) arms that each have a distal end and a proximal end, said first and second arm distal ends being coupled together so that said second arm (39(ii)) extends generally perpendicularly from said first arm (39(i)), said proximal end of said first arm (39(i)) being receivable within the void (29) of said first component core (17) and said proximal end of said second arm (39(ii)) being receivable within the void (29) of said second component core (19), and means (40) for coupling said proximal end of said first arm (39(i)) to said first component core (17), and for coupling said proximal end of said second arm (39(ii)) to said second component core (19) to thereby couple said first frame component (13) to said second frame component (15).



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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

INV. E06B3/22 E06B3/30 E06B3/964 E06B3/968  
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
E06B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                          | Relevant to claim No. |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | GB 1 239 643 A (BROGLIO, ROMANA)<br>21 July 1971 (1971-07-21)<br>page 1, line 66 - page 2, line 86; figures<br>1,2,4a,5                                     | 1-14                  |
| X         | DE 77 32 328 U1 (C. U. T. KRAUSS GMBH & CO<br>KG) 2 February 1978 (1978-02-02)<br>page 4, paragraph 2 - page 5, paragraph 3<br>page 6 - page 7; figures 1,3 | 1,2,5-14              |



Further documents are listed in the continuation of Box C.



See patent family annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|-------------------------------------------|----|---------------------|----------------------------|---------------------|
| GB 1239643                                | A  | 21-07-1971          | NONE                       |                     |
| -----                                     |    |                     |                            |                     |
| DE 7732328                                | U1 | 02-02-1978          | NONE                       |                     |
| -----                                     |    |                     |                            |                     |