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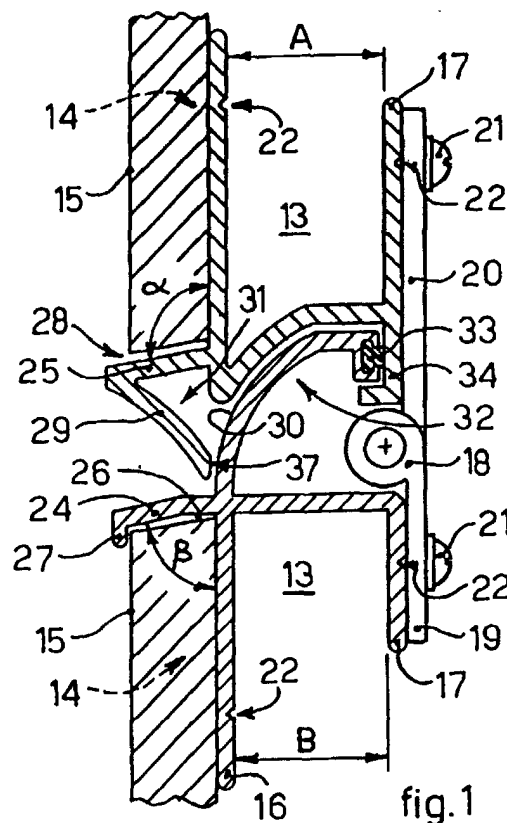
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(54) **Door with enhancing horizontal sections**

(57) Enhanceable door with horizontal sections, defined by horizontal panels (10) connected to each other by hinges and cooperating at the ends with sliders in guides. The panels have a vertical position of closed space and, by sliding, a substantially horizontal position of open space. The facing horizontal terminal parts of two contiguous panels have respectively a male seating (32) and a female seating (31). The panels (10) have a frame on which the enhancement panel (15) is positioned and applied, the frame has two horizontal profiles. The horizontal profiles (11, 111, 12, 112) have a rear technical compartment (13) and a front enhancement housing compartment (14) suitable to contain the enhancement panel (15). The technical compartment (13) is defined by a rear rib (17) and a front rib (16) able to define one side of the enhancement housing (14). There is at least another side (24, 25) which extends frontally to the front rib (16).



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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|----------------------------------|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
| X | US 5 553 651 A (OLSEN BJ RN W) 10 September 1996 (1996-09-10) * figures 1,4,6 * | 1,2 | E06B3/48 |
| Y | --- | 9-15 | |
| Y | FR 1 310 605 A (HELBERT FRANCIS) 30 November 1962 (1962-11-30) * figure 1 * | 13 | |
| Y | --- | 9-12,14,15 | |
| A | EP 0 989 275 A (CARDO DOOR PRODUCTION A S) 29 March 2000 (2000-03-29) * the whole document * | 1 | |
| A | US 4 979 553 A (LOWRY III JOHN A ET AL) 25 December 1990 (1990-12-25) * the whole document * | 1 | |
| The present search report has been drawn up for all claims | | | TECHNICAL FIELDS SEARCHED (Int.Cl.7) |
| | | | E06B |
| Place of search | | Date of completion of the search | Examiner |
| MUNICH | | 12 November 2003 | Knerr, G |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 00 1695

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The members are as contained in the European Patent Office EDP file on
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12-11-2003

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 5553651 A | 10-09-1996 | NO 923416 A | 02-03-1994 |
| | | AT 140297 T | 15-07-1996 |
| | | AU 679002 B2 | 19-06-1997 |
| | | AU 4985893 A | 29-03-1994 |
| | | BR 9306989 A | 12-01-1999 |
| | | CA 2143632 A1 | 17-03-1994 |
| | | CZ 9500536 A3 | 13-09-1995 |
| | | DE 69303620 D1 | 14-08-1996 |
| | | DE 69303620 T2 | 13-02-1997 |
| | | DK 666958 T3 | 04-11-1996 |
| | | EP 0666958 A1 | 16-08-1995 |
| | | ES 2089843 T3 | 01-10-1996 |
| | | FI 950911 A | 27-04-1995 |
| | | GR 3020999 T3 | 31-12-1996 |
| | | HU 74470 A2 | 30-12-1996 |
| | | JP 8503275 T | 09-04-1996 |
| | | WO 9405887 A1 | 17-03-1994 |
| | | NZ 255594 A | 24-06-1997 |
| | | OA 10006 A | 29-03-1996 |
| | | PL 307783 A1 | 26-06-1995 |
| FR 1310605 A | 30-11-1962 | NONE | |
| US 3941180 A | 02-03-1976 | NONE | |
| EP 0989275 A | 29-03-2000 | DK 118598 A | 22-03-2000 |
| | | EP 0989275 A2 | 29-03-2000 |
| US 4979553 A | 25-12-1990 | NONE | |