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(54) A panel for building multi-panel sliding-folding doors

(57) A panel for building multi-panel sliding-folding doors, said panel comprising an intermediate member (4) provided with an elongated male member (12) and an elongated female member (14) engaging a female member (14') and a male member (12') of two adjacent panels, respectively, characterized in that:

- said intermediate member (4) is formed by two metal sheets (6, 8) with a layer (10) of insulating material sandwiched therebetween,
- said male member (12) is provided with a curved portion (22) and with a pawl-shaped portion (26) having a curved outer wall (28), both portions being connected to a cylindrical sleeve (24), both said curved portion and wall (22, 28) having the shape of arcs of circle with their centers of curvature coincident and located on the axis of said cylindrical sleeve (24),
- said female member (14) is provided with a curved inwardly projection (38) the shape of which is substantially complementary to the outer surface of said sleeve (24) which rotatably rests on said projection (38) and is retained by a blocking means (46) applied to a flat portion (36) of said female member (14), on a tab substantially in contact with and rubbing against said curved portion (22) of the male member (12) when this latter (12) is rotated in respect of the former (14), said female member (14) being provided on the side opposite to that carrying the curved projection (38) with a curved reinforcing rib (48) in form of arc of circle whose center of curvature is located on the axis of said sleeve (24).

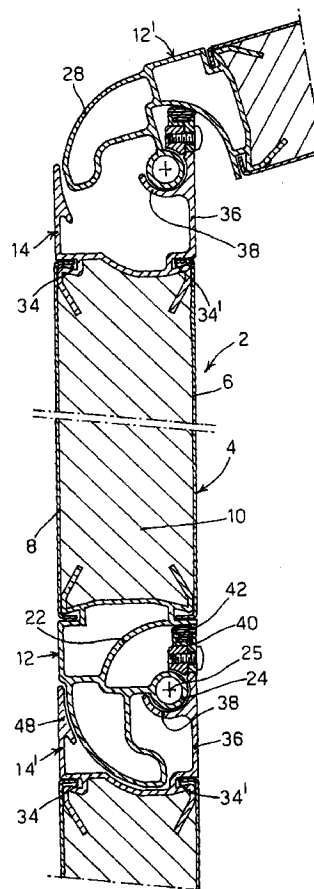


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 96 10 2810

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.6)
Y	EP-A-0 014 361 (GREBAU) * page 5, line 9-12 * * page 6, line 1-2 * * page 7, line 14 - line 17; figure 3 *	1,2	E06B3/48
A	---	4	
Y	GB-A-862 027 (MORLEY) * page 1, line 9 - line 10 * * page 3, line 69 - line 73; figures 1,2 *	1,2	
A	US-A-2 365 378 (BENSON) * figures 2-4 *	1,3	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			E06B E05D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 August 1996	Examiner Matzdorf, U
CATEGORY OF CITED DOCUMENTS 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 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			

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