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**(54) Improvements in sliding doors**

(57) In a fire-resistant sliding door (1) comprising a frame (2) and two door leaves (3, 4) the frame and the door leaves comprise vertical interconnected steel profile sections (5) framed by fire-retardant sheets of glass (6). The door leaves (3, 4) are suspended in aligned relationship from the door frame (2) and are displaceable forwards and backwards in the door-frame plane between a closed position ©, wherein the confronting front edges (13, 14) of the door leaves abut against one another via a gasket (15) in order to close a through-passage opening (16) in said frame (2), and an open position allowing passage-through by way of said opening (16). The gasket (15) comprises a vertical strip seal (17)

of U-shaped configuration the web portion (18) of which is connected to the front edge (13) of one (3) of the door leaves while the two flanges (19) of said seal are arranged, upon closing of the door, to be moved into fire-resisting and sealing abutment against the front edge of the other door leaf (4), and also a vertical U-shaped steel profile section (24) the two flanges (25) of which are connected to the front edge (14) of the opposite door leaf (4) opposite the strip seal (17) and the web portion (27) of which is arranged, upon closing of the door, to be moved together with the flanges (25) into fire-resisting and sealing abutment against the side walls of the U-shaped channel (29) of the strip seal (17).

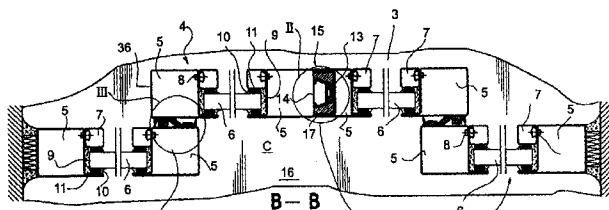


Fig. 4

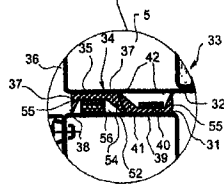


Fig. 4B

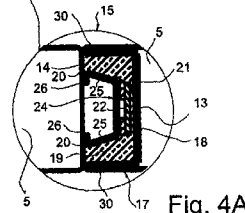


Fig. 4A

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## EUROPEAN SEARCH REPORT

Application Number  
EP 98 85 0003

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)
A	FR 743 146 A (SA DES ATELIERS DE CONSTRUCTION SCHWARTZ-HAUTMONT) 23 March 1933 * page 2, line 29 - line 49; figures * ---	1,5	E06B5/16 E06B3/46 E06B7/23
A	US 2 485 296 A (LESCAZE) 18 October 1949 * column 3, line 51 - line 60; figures 1,5 *	1,3-5	
A	DE 26 25 270 A (GARTNER & CO J) 22 December 1977 * page 24, paragraph 7 - page 26, paragraph 1; figures 2,11,14 * ---	1,10	
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A	DE 26 00 420 A (SOMMER METALLBAU STAHLBAU GMBH) 14 July 1977 * page 6, paragraph 5 - page 7, paragraph 1; figures * ---	2,5,6,9	
A	US 4 185 416 A (WILMES RICHARD J) 29 January 1980 * column 4, line 29 - column 5, line 68; figure 1 * ---	5,6,8	TECHNICAL FIELDS SEARCHED (Int.Cl.6) E06B
A	DE 28 11 676 A (MECHEL KURT) 20 September 1979 * page 9, line 1 - page 12, line 17; figures * -----	5-7,9,11	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 October 1998	Examiner Depoorter, F
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