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54 **Tilt slider.**

57 A pivoting and sliding closure assembly particularly for windows and patio doors. The assembly rides in a guide channel (27a) of a frame (20) upon a pivot shoe assembly which comprising one pivot shoe (Bc) on which a closure member (30) can pivot away from the channel (27a), and another pivot shoe (Bd) having a latch which latches the closure member (30) in a slidable position when the closure member (30) is pivoted to its latched position. The pivot shoes (Bc,Bd) are connected together by bars (F3,F4) Each pivot shoe (Bc, Bd) includes a cam member (Cc, Cd) which is rotated on pivoting of the closure member (30) away from the channel (27a) and forces legs (B1,B2) of the shoe (Bc,Bd) into engagement with side walls (27i,27ii) of the channel (27a) to lock the pivot shoe (Bc,Bd) in position in the channel (27a). Each pivot shoe (Bc,Bd) has a roller (R) to facilitate movement of the shoe (Bc,Bd) in the channel (27a). Pivot shoe assemblies may be provided on opposite edges of the closure member (30).

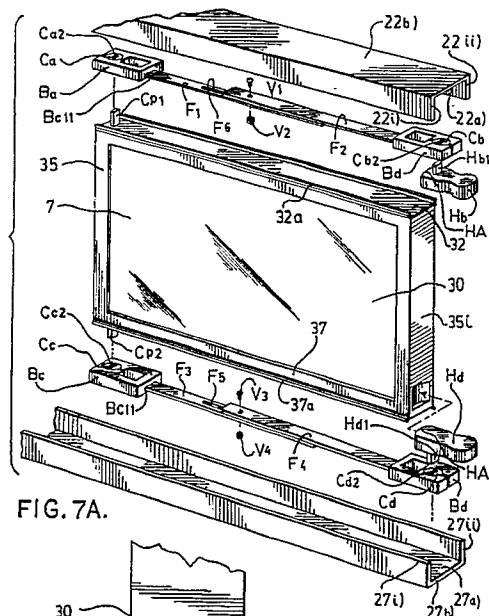


FIG. 7A.

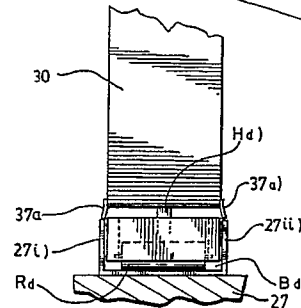


FIG. 7B.

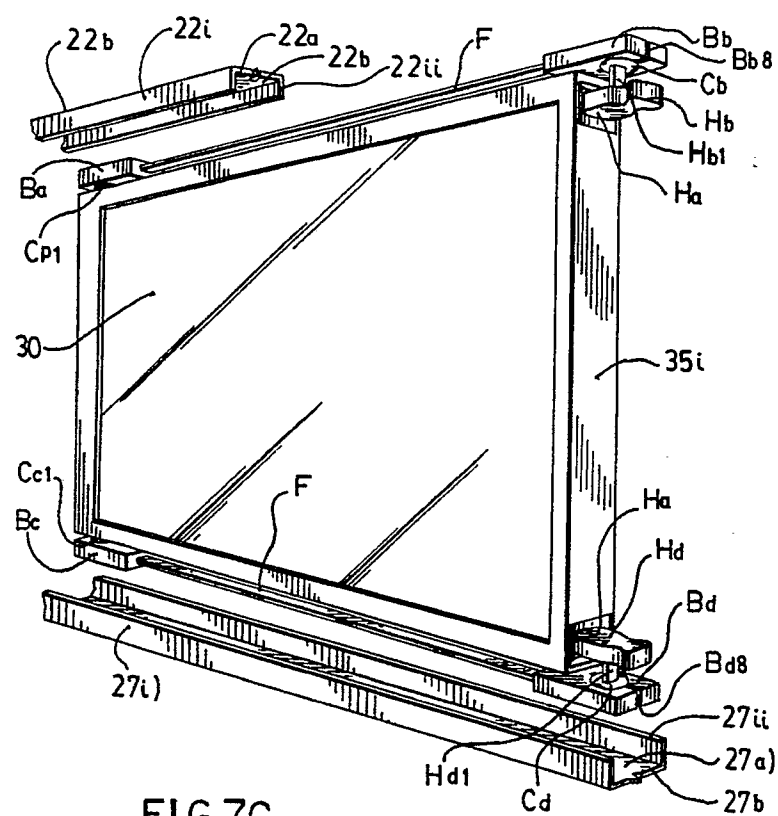


FIG.7C.



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Patent Office

## EUROPEAN SEARCH REPORT

Application Number

EP 89 30 9311

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.5)
A	US-A-4 227 345 (R.C. DURHAM) * complete document * -- --	1-4,27	E 05 D 15/58
A	US-A-3 810 330 (E.N. DAGGY) * complete document * -- --	1-4,27	
A	US-A-4 590 708 (S.I. CAMPODONICO) * complete document * -- --	1-4,27	
D,A	US-A-4 610 108 (G.S. MARSHIK) * complete document * -- --	1-4,27	
D,A	CA-A-1 195 186 (CALDWELL MANUFACTURING COMP.) * complete document * -- --	4,27	
D,A	US-A-4 718 194 (J.R. FITZGIBBON et al.) * complete document * -- --	1-4,27	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)  E 05 D
Place of search  Berlin		Date of completion of search  16 May 91	Examiner  KRABEL A.W.G.
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