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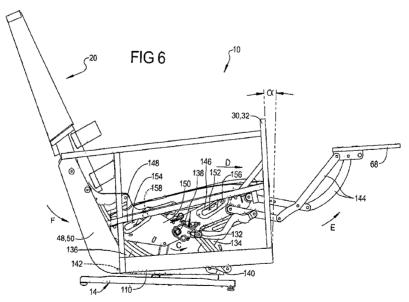
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Declarations under Rule 4.17:

 as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: ROCKING RECLINING CHAIR



(57) Abstract: A furniture item includes a support member and a rotatably pinned mechanism operable in rocking and reclining motions. The mechanism includes first and second side plates; a first pair of forward link members each rotatably connected to one of the side plates; a pantograph linkage set connected to the first pair of forward link members to extend and retract a footrest assembly in the reclining motion; and a drive rod rotatable between the side plates. Rotating the drive rod extends or retracts the pantograph linkage set. An escutcheon connected to the drive rod has a snap-engaged handle to manually rotate the drive rod. At least one U-shaped spring connected between the support member and the mechanism allows rocking motion. A seat pan has flat body springs extending over a seat pan aperture to support an occupant. A detent at one end of each flat spring engages the seat pan.



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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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USPC: 297/85,183.1,183.9,268.1,270.4,452.49,452.63,463.1,DIG. 7;16/422 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) U.S.: Please See Continuation Sheet					
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)					
C. DOCT	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.		
Y	US 5,800,010 A (MAY) 01 September 1998 (01.09.9	98), see figs. 2-8	1-34		
Y	US 4,595,233 A (FOX) 17 June 1986 (17.06.86), see	e figs. 1-7	1,6,8		
Y	US 4,183,494 A (CLEVELAND) 15 January 1980 (15.01.80), see fig. 5	2-5,7,9,10,15,16		
Y	US 5,328,235 A (SAUL ET AL) 12 July 1994 (12.0	7.94), see figs. 1-6	11,12		
Y	US 3.096.121 A (KNABUSCH ET AL) 02 July 1963 (02.07.63), see figs. 1-14`		11,12		
Y	US 2004/0245840 A (TUBERGEN ET AL) 09 December 2004 (09.12.04), see figs. 7,50-58A		17,21-26		
Y	US 2,870,823 A (STAPLES) 27 January 1959 (27.0)	1.59), see figs. 1-11	17,21-26		
Further	documents are listed in the continuation of Box C.	See patent family annex.			
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	t defining the general state of the art which is not considered to be	date and not in conflict with the applic principle or theory underlying the inve			
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International application No.
PCT/US07/01409

ategory *	Citation of document, with indication, where appropriate, of the relevant passages Relevant to		
Y	US 3,880,413 A (PLATT ET AL) 29 April 1975 (29.04.75), see figs. 1,2	17,21-26	
Y	US 4,161,891 A (BOSSERT) 24 July 1979 (24.07.79), see figs. 1-15	27-34	
Y	US 4,593,430 A (SPANGLER ET AL) 10 June 1986 (10.06.86), see figs. 1-13	27-34	
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INTERNATIONAL SEARCH REPORT	International application No. PCT/US07/01409
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Continuation of B. FIELDS SEARCHED Item 1: 297/69,83,85,183.1,183.9,258.1,264.1,268.1,270.1,270.2,270.4,452.49,452.52	452.63,463.1,463.2, Dig. 7;
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