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Scheurer et al.

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[54] **FABRICATION OF VINYL COATED POOL CHAIR**

5,226,184	7/1993	Cheng	441/129
5,307,524	5/1994	Schober	4/496
5,403,220	4/1995	Goad, Sr.	441/130
5,439,405	8/1995	Storey et al. .	

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[57] **ABSTRACT**

[21] Appl. No.: **09/178,818**

A buoyant lounge chair supports a swimmer in a stable, semi-reclining position while the chair is floating in a swimming pool. Interconnected rigid frame members collectively form an open chair frame. Buoyant cushions are attached to the chair frame, forming a chair seat, a chair back, left and right chair arms and a bolster block. The buoyant cushions forming the chair seat and the chair back include overlapping layers of buoyant cushion material that are secured together by adhesive, with the seat frame and the back frame being sandwiched between the overlapping layers. One of the buoyant layers forms a continuous body support surface that transitions through an angle from the chair seat to the chair back. Each arm support includes an upright arm support riser that is laterally offset from the seat frame and a horizontal arm rest segment that is vertically offset from the seat frame. A hanger coupling member in the form of a threaded nut is welded onto a central seat frame segment so that the assembled lounge chair can be suspended from an overhead hanger during the application of protective vinyl coating material.

[22] Filed: **Oct. 26, 1998**

[51] **Int. Cl.⁷** **A47C 31/00**

[52] **U.S. Cl.** **297/219.1; 441/129; 441/130;**
297/452.17; 297/452.19

[58] **Field of Search** **297/219.1, 452.17,**
297/452.19; 441/129, 130; 4/496; 114/363

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,154,345	10/1964	Lambrecht .	
3,620,570	11/1971	Wilson .	
4,026,567	5/1977	Rye .	
4,358,866	11/1982	Rhodes .	
4,384,857	5/1983	Hoy, Jr.	441/130
4,435,165	3/1984	Johnson	441/130
4,484,781	11/1984	Phelps .	
4,662,852	5/1987	Schneider et al.	441/132
5,004,296	4/1991	Ziegenfuss, Jr. .	
5,052,965	10/1991	Klapp et al.	441/130
5,088,723	2/1992	Simmons	441/130

20 Claims, 7 Drawing Sheets

