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[54] **ORTHOPEDIC BRACE FOR ARM AND SHOULDER**

[75] Inventors: **Wayne Z. Burkhead**, 2909 Lemmon Ave., Dallas, Tex. 75204; **Bernard E. McConnell**; **Thomas E. McConnell**, both of Greenville, Tex.

[73] Assignee: **Wayne Z. Burkhead**, Dallas, Tex.

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[58] Field of Search **602/4, 5, 20; 2/44, 2/45; 128/25 R, 26, 870, 874, 875**

[56] **References Cited**

U.S. PATENT DOCUMENTS

1,340,630	5/1920	Maddox	602/20
3,780,729	12/1973	Garnett	128/94
3,952,733	4/1976	Williams	128/94
4,180,870	1/1980	Radulovic et al.	3/1.2
4,241,731	12/1980	Pauley	128/94

4,373,517	2/1983	Criscuolo	128/75
4,417,569	11/1983	Brudny	128/77
4,480,637	11/1984	Florek	128/94
4,497,316	2/1985	Lilla	128/94
4,651,719	3/1987	Funk et al.	128/25 R
4,708,510	11/1987	McConnell et al.	403/90
4,807,609	2/1989	Meals	128/87
4,836,195	6/1989	Berrehail	128/83
4,878,490	11/1989	Scott	128/77
4,896,660	1/1990	Scott	128/77
5,000,168	3/1991	Lipson	602/20

Primary Examiner—Richard J. Apley
Assistant Examiner—Beverly A. Meindl
Attorney, Agent, or Firm—Dennis T. Griggs

[57] **ABSTRACT**

An orthopedic brace for rigidly supporting a human arm and shoulder, having a positioning rod for infinitely varying the elevation of the arm through a coarse adjustment and a fine adjustment, and having universal joints on the positioning rod for infinitely varying the orientation of the arm.

6 Claims, 5 Drawing Sheets

