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# United States Patent [19]

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**Bothwell**

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[54] **GAME RACKET WITH ADJUSTABLE STRING SUSPENSION SYSTEM**

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[57] **ABSTRACT**

The string suspension system comprises a primary racket frame (12) joined about the racket head (14) by two suspension frames (22 and 22') to form dual volumetrically adjustable air chambers (44 and 44') within a head assembly (16). Within each of the two air chambers (44 and 44') is located an inflatable suspension bladder (54 and 54') which, when pressurized, induces an outward expansion of the suspension frames (22 and 22'). The tension of the strings (30) laced through both the racket head (14) and the suspension frames (22 and 22') thus increases when this pressure induced transformation occurs.

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**24 Claims, 8 Drawing Sheets**

