



US005159703A

United States Patent [19][11] **Patent Number:** **5,159,703****Lowery**[45] **Date of Patent:** **Oct. 27, 1992**[54] **SILENT SUBLIMINAL PRESENTATION SYSTEM**[76] **Inventor:** **Oliver M. Lowery**, 5188 Falconwood Ct., Norcross, Ga. 30071[21] **Appl. No.:** **458,339**[22] **Filed:** **Dec. 28, 1989**[51] **Int. Cl.⁵** **H04B 7/00; H04R 25/00; H04R 3/02**[52] **U.S. Cl.** **455/42; 455/46; 455/66; 381/73.1; 128/420.5**[58] **Field of Search** **455/46, 47, 66, 109, 455/110, 42-43; 381/73.1, 105, 124; 358/141-143; 600/28; 128/420.5; 380/38**[56] **References Cited****U.S. PATENT DOCUMENTS**

3,060,795	10/1962	Corrigan et al.	352/131
3,278,676	10/1966	Becker	358/142
3,393,279	7/1968	Flanagan	128/420.5
3,712,292	1/1973	Zentmeyer, Jr.	600/28
4,141,344	2/1979	Barbara	600/28

4,395,600	7/1983	Lundy et al.	381/73.1
4,463,392	7/1984	Fischer et al.	360/30
4,777,529	10/1988	Schultz et al.	381/73.1
4,834,701	5/1989	Masaki	600/28
4,877,027	10/1989	Brunkan	128/420.5

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A silent communications system in which nonaural carriers, in the very low or very high audio frequency range or in the adjacent ultrasonic frequency spectrum, are amplitude or frequency modulated with the desired intelligence and propagated acoustically or vibrationally, for inducement into the brain, typically through the use of loudspeakers, earphones or piezoelectric transducers. The modulated carriers may be transmitted directly in real time or may be conveniently recorded and stored on mechanical, magnetic or optical media for delayed or repeated transmission to the listener.

3 Claims, 3 Drawing Sheets