United States Patent		US003400794A	E 400 704
United States Patent	[19] [11]	Patent Number:	5,400,794
Gorman	[45]	Date of Patent:	Mar. 28, 1995

[54] BIOMEDICAL RESPONSE MONITOR AND TECHNIQUE USING ERROR CORRECTION			[57] ABS		
[76]	Inventor:		er G. Gorman, Lakeview Dr., hopac, N.Y. 10541	response such as heartbeat unit and a receiving unit.	
[21]	Appl. No.:	33,	326		artbeat) and pr
[22]	Filed:	Ma	r. 19, 1993	•	g this response. produce an en
[51] [52] [58]	U.S. Cl	•••••		and a seconsponse. This	cation part ide nd data part r s encoded digit
[56] References Cited			the receiving unit which determine if it is from the		
U.S. PATENT DOCUMENTS			that transmitting unit, the		
	4,478,224 10/ 4,625,733 12/	1973 1976 1976 1976 1984 1984	,	wireless tra are within a the biomed display. If t transmitting ference from	errors in the dansmission is used reasonable bounded response and the received sign and the monitor and the data distributions.

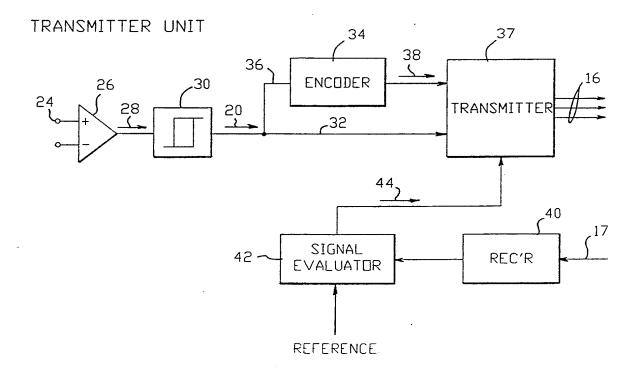
Primary Examiner-William E. Kamm

5,157,604 10/1992 Axford et al. 364/413

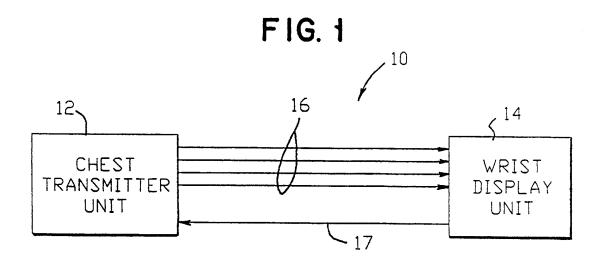
TRACT

and displaying a biomedical t rate, including a transmitting The monitor detects the reroduces a digital pulse train . The digital pulse train is then ncoded digital signal having a entifying the transmitting unit representing the person's reital signal is wirelessly sent to reads the received signal to transmitting unit. If it is from data part is read. If there are lata part, a new frequency of ed in the monitor. If the errors ound, the data bits representing are sent to a memory and/or a gnal were not from the correct eived signal is rejected. Intertors or electrical equipment is minimized, and the data displayed is very accurate.

45 Claims, 5 Drawing Sheets







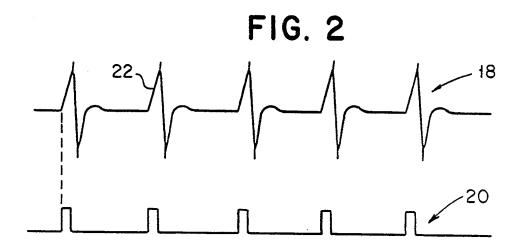
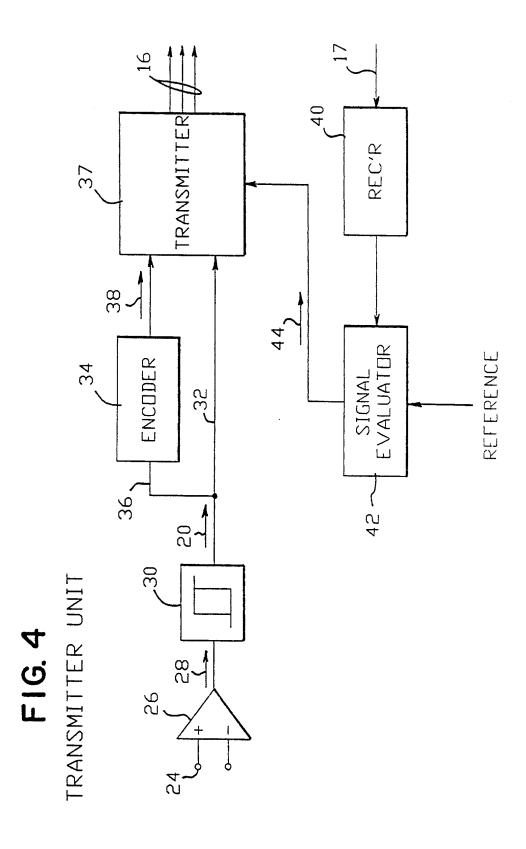


FIG. 3A

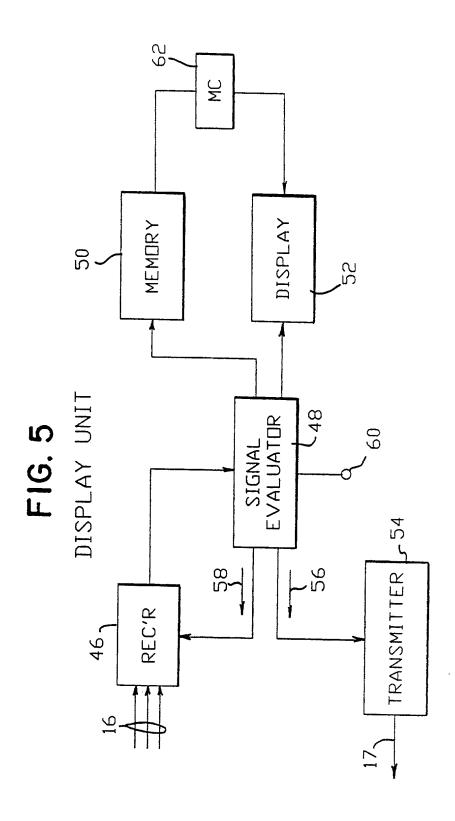
SYNCHRONIZATION IDENTIFICATION DATA
PART PART PART

-00 --- 01 --- 11 --- 10 ---

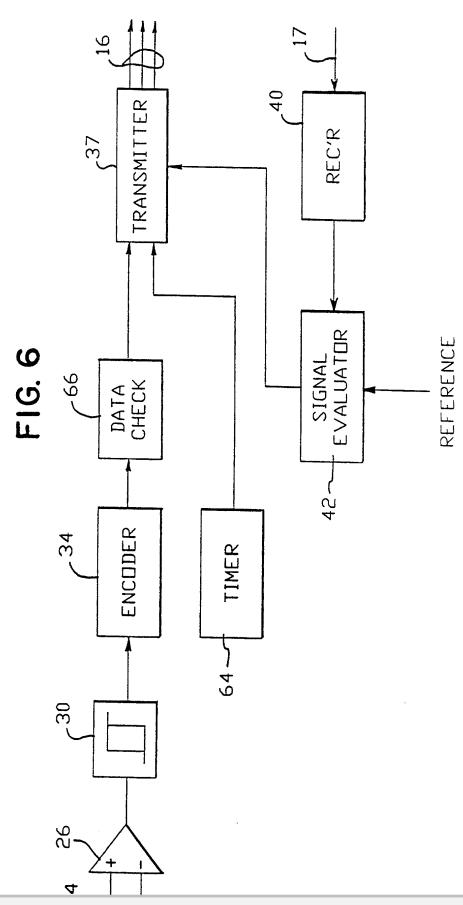














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