Technologies, Jackson, Miss.

[21] Appl. No.: 480,	,718
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[22] Filed:	Jun. 7, 1995	
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- U.S. Cl. 455/103; 455/45; 370/339; [52]
- 370/343
- . 455/103, 104, [58] Field of Search 455/17, 46, 59, 60, 61, 62, 49.1, 45; 375/260; 370/69.1, 70, 38, 40, 121; 340/825.44

[56] **References** Cited

U.S. PATENT DOCUMENTS

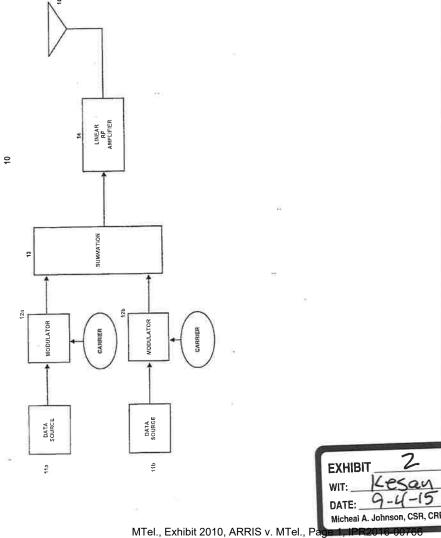
3,488,445	1/1970	Chang	
	10/1975	Seidel	179/15.55 R

Primary Examiner-Reinhard J. Elsenzopi Assistant Examiner-Lee Nguyen Attorney, Agent, or Firm-Finnegan, Henderson, Farabow, Garrett and Dunner

[57] ABSTRACT

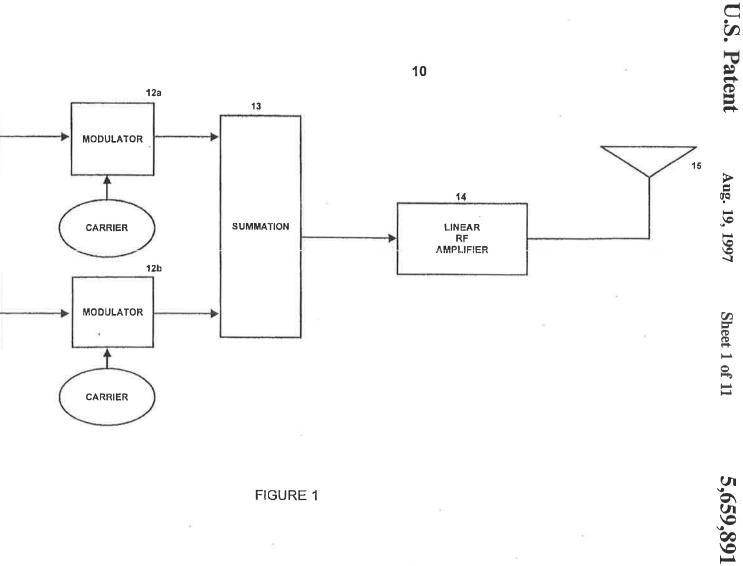
A method of multicarrier modulation using co-located transmitters to achieve higher transmission capacity for mobile paging and two-way digital communication in a manner consistent with FCC emission mask limits. Co-location of the transmitters obviates the need for stringent, symmetrical subchannel interference protection and provides for a wider range of operating parameters, including peak frequency deviation, bit rate, and carrier frequencies, to obtain optimal transmission performance.

5 Claims, 11 Drawing Sheets



A

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MTel., Exhibit 2010, ARRIS v. MTel., Page 2, IPR2016-00766

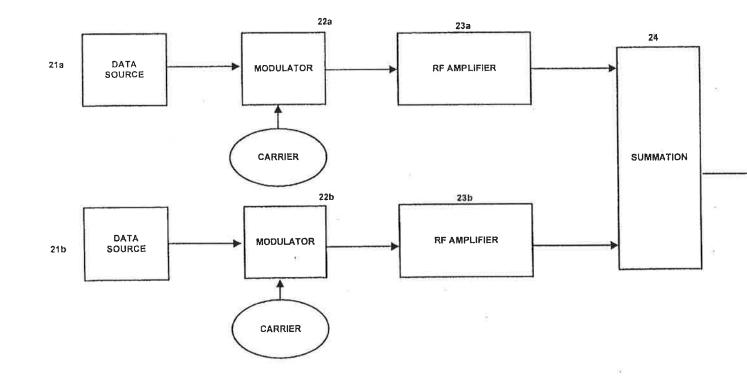
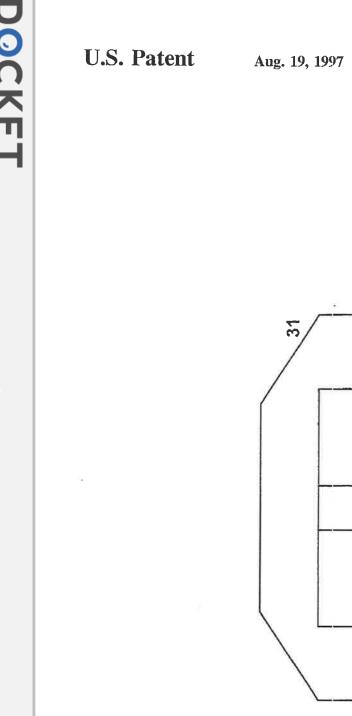


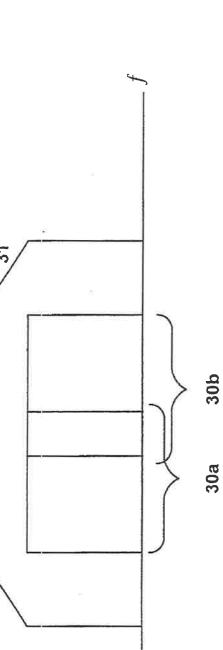
FIGURE 2

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Sheet 3 of 11

FIGURE 3A

5,659,891

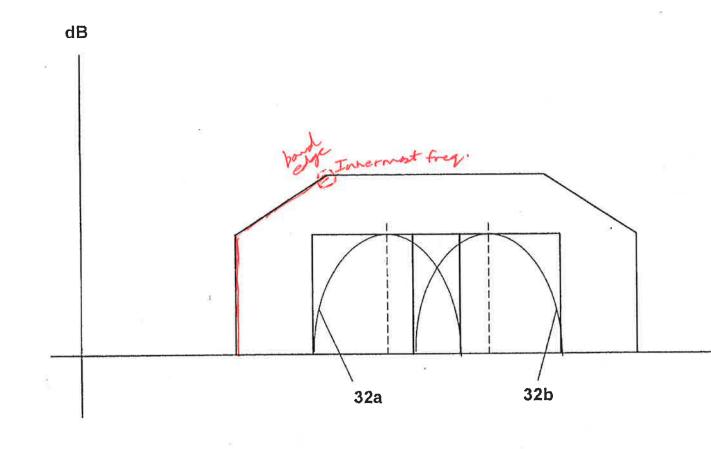


FIGURE 3B

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