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(71) Applicant *(for all designated States except US)*: **ALCATEL-LUCENT USA INC.** [US/US]; 600-700 Mountain Avenue, Murray Hill, NJ 07974-0636 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **WINZER, Peter, J.** [US/US]; 209 Cashell Drive, Aberdeen, NJ 07747 (US).

(74) Agent: **MC CABE, John, F.**; ALCATEL-LUCENT USA INC., Attention: Docket Administrator - Room 3D-201, 600-700 Mountain Avenue, Murray Hill, NJ 07974-0636 (US).

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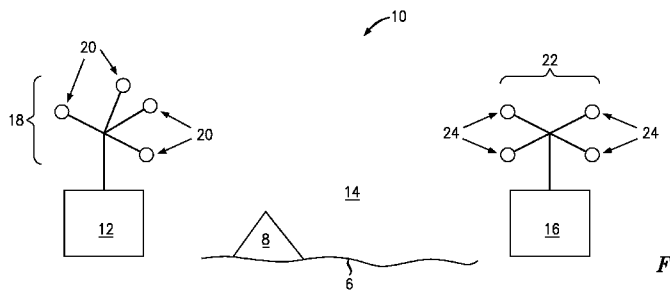

FIG. 1

(57) Abstract: An apparatus includes a digital data transmitter capable of sequentially exciting different sets of one or more propagation modes in a physical communication channel. Each set of one or more propagation modes has a different spatial distribution of transmitted energy in the channel. The digital data transmitter is configured to sequentially change the excited set of one or more propagation modes to transmit a different value of data to the communication channel.

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