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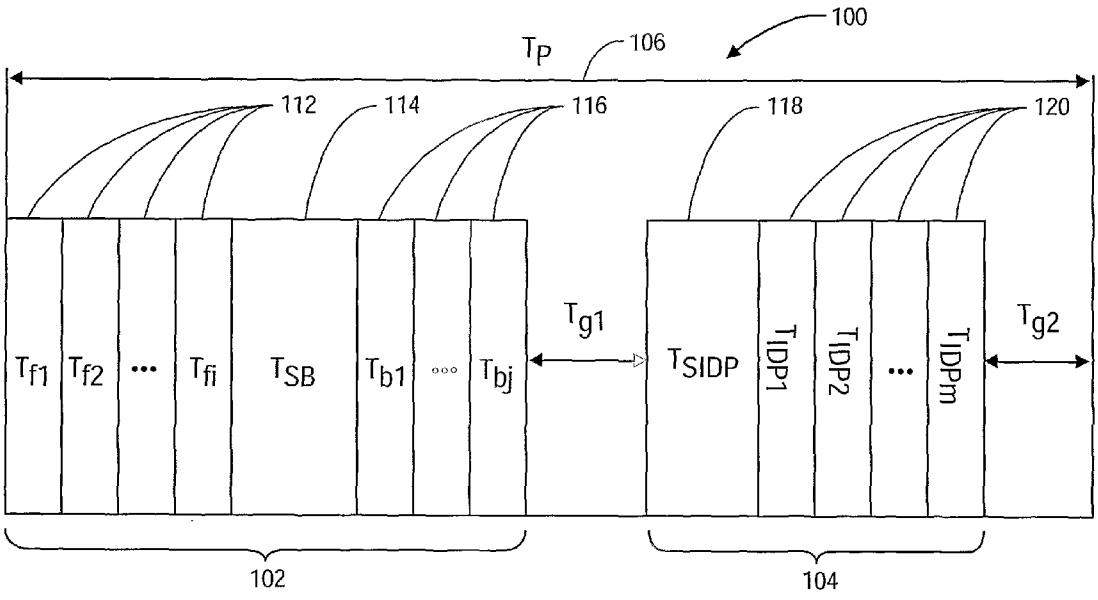
(54) Title: SYSTEM AND METHOD OF EFFICIENTLY MODULATING DATA USING SYMBOLS HAVING MORE THAN ONE PULSE



(57) Abstract: A method and apparatus to improve modulation efficiency. A symbol (100) is created in which the relative position of a second pulse (104) to a first pulse (102) within a symbol period encodes at least one bit. The symbol is transmitted across a communication channel. The one or more bits modulated by the position of the second pulse are recovered such that high bit rate communication may occur without channel compensation.

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