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(54) Title: STROBE TECHNIQUE FOR RECOVERING A CLOCK IN A DIGITAL SIGNAL

(57) Abstract: A method and apparatus is provided to recover clock information embedded in a digital signal such as a digital signal A set of strobe pulses can be generated by routing an edge generator to a delay elements with incrementally increasing delay values A set of latches triggered by incrementally delayed signals from the edge generator can capture samples of the data signal An encoder (84) can convert the samples to a word representing edge time and polarity of the sampled signal The word representing edge time can be stored in memory (86) An accumulator can collect the average edge time over N samples (88) The average edge time can be adjusted with a fixed de-skew value to form the extracted clock information The extracted clock information can be used as pointer to the words stored in memory