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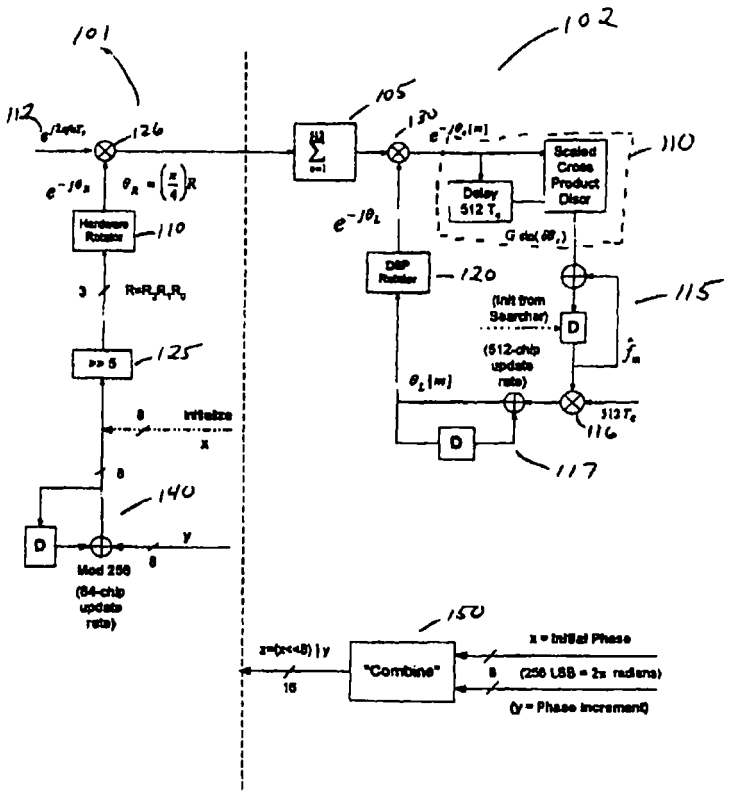
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(54) Title: FREQUENCY SEARCHER AND FREQUENCY-LOCKED DATA DEMODULATOR USING A PROGRAMMABLE ROTATOR



(57) Abstract: [0065] A searcher is centered on frequency bins to search for an incoming signal. The frequency locked loop generates an initial phase signal and a phase increment signal that are input to an accumulator. The accumulator accumulates the phase increments over a predetermined interval. After the interval, the accumulator generates a control signal that instructs a rotator to perform a phase rotation function.

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ACTION

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