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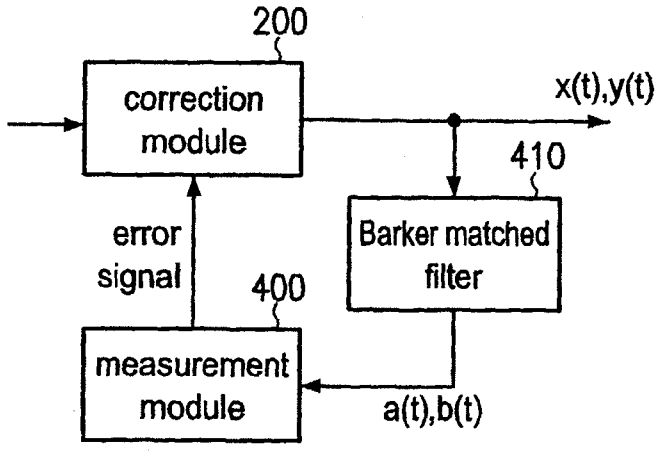
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(54) Title: PHASE ERROR CORRECTION USING DESPREAD SIGNALS




(57) Abstract: A phase error correction technique in receivers such as WLAN receivers is provided. Such receivers comprise a phase error correction unit (200) connected to receive an input signal having a phase error and adapted to generate an output signal having a corrected phase error. Further, the receiver comprises a despreader (410) which is adapted to despread a data signal. The despreader (410) is connected to the phase error correction unit (200) to provide the despread data signal to the phase error correction unit (200). The phase error correction unit (200) is arranged for correcting the phase error dependent on the despread data signal. The despreader may be a Barker matched filter or a CCK matched filter, and there may be provided a multiplexer for selecting one of the filters.

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