

Title (en)

METHOD AND APPARATUS FOR TRACKING THE PHASE OF A QUASI-PERIODIC SIGNAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM NACHFÜHREN DER PHASE EINES FAST PERIODISCHEN SIGNALS

Title (fr)

PROCEDE ET APPAREIL POUR MESURER LA PHASE D'UN SIGNAL QUASI PERIODIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0203381A1] A method for tracking the phase of a quasi-periodic signal includes the steps of estimating the phase of the signal for frames during which the signal is periodic, monitoring the performance of the estimated phase with a closed-loop performance measure, and measuring the phase of the signal for frames during which the signal is periodic and performance of the estimated phase falls below a predefined threshold level. In estimating the phase, the initial phase value is set equal to the estimated final phase value of the previous frame if the previous frame was periodic. The initial phase value is set equal to a measured phase value of the previous frame if the previous frame was nonperiodic, or if the previous frame was periodic and performance of the estimated phase for the previous frame fell below the predefined threshold level. For frames during which the signal is nonperiodic, the phase of the signal is measured. An open-loop periodicity decision can be used to determine whether the signal is periodic for a given frame.

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CPC (source: EP KR)

G10L 19/005 (2013.01 - KR); **G10L 19/02** (2013.01 - EP KR); **G10L 19/04** (2013.01 - KR); **G10L 25/48** (2013.01 - EP)

Citation (search report)

See references of WO 0203381A1

Cited by

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