

Title (en)  
APPARATUS AND METHOD OF SEARCHING FOR KNOWN SEQUENCES

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM SUCHE NACH BEKANNTEN SEQUENZEN

Title (fr)  
APPAREIL ET PROCEDE DE RECHERCHE DE SEQUENCES CONNUES

Publication  
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Application  
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Abstract (en)  
[origin: EP2031762A1] Apparatus and method for correlating a received communication of a known sequence over a wireless channel. Processing at the required higher sampling rate is achieved through the use of a finite impulse response (FIR) filter (24) having a small number of taps for interpolating samples. This reduces hardware requirement by as much as one-half that of conventional techniques based on over-sampling the received signal, while obtaining amplitude degradation which is no worse than experienced when employing conventional techniques.

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