

Title (en)
EXTRACTING THE PHASE OF AN OFDM SIGNAL SAMPLE

Title (de)
PHASENEXTRAXTION EINES OFDM-SIGNALABTASTWERTES

Title (fr)
EXTRACTION DE LA PHASE D'UN ECHANTILLON DE SIGNAL A MULTIPLEXAGE PAR REPARTITION ORTHOGONAL DE LA FREQUENCE

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Application
EP 02756842 A 20020731

Priority
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Abstract (en)
[origin: WO2004014005A1] The disclosed embodiments relate to exploiting circuitry that exists in a typical Orthogonal Frequency Division Multiplexing (OFDM) receiver to find the phase of a complex number corresponding to an input signal without implementing additional costly circuitry or employing a relatively slow inverse tangent look-up table. The magnitude of the complex number is normalized (106) and processed (108, 110) through a closed loop to produce an output (112) proportional to the phase of the complex number.

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