

Title (en)
METHODS AND APPARATUS FOR CARRIER FREQUENCY OFFSET ESTIMATION AND CARRIER FREQUENCY OFFSET CORRECTION

Title (de)
VERFAHREN UND VORRICHTUNG FÜR TRÄGERFREQUENZVERSATZSCHÄTZUNG UND TRÄGERFREQUENZVERSATZKORREKTUR

Title (fr)
PROCÉDÉS ET APPAREIL POUR ESTIMATION DE DÉCALAGE DE FRÉQUENCE PORTEUSE ET CORRECTION DE DÉCALAGE DE FRÉQUENCE PORTEUSE

Publication
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Application
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Abstract (en)
[origin: WO2012027880A1] Methods and apparatus are provided for synchronizing a wireless receiver with a transmitter including methods and apparatus for computing estimated Fractional Carrier Frequency Offset (FCFO). The wireless receiver receives a signal that includes an Orthogonal Frequency Division Multiplexing (OFDM)/Orthogonal Frequency Division Multiple Access (OFDMA) symbol that corresponds to a Primary Synchronization Channel (P-SCH) that is encoded or modulated in accordance with a constant amplitude zero auto-correlation (CAZAC) sequence. The wireless receiver generates an estimated FCFO value by computing a differential phase of a cross-correlation between a first-half of the received time-domain OFDM/OFDMA symbol and a second-half of the received time-domain OFDM/OFDMA symbol.

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