

Title (en)

SYSTEMS AND METHODS FOR FREQUENCY ACQUISITION IN A WIRELESS COMMUNICATION NETWORK

Title (de)

SYSTEME UND VERFAHREN ZUR FREQUENZBESCHAFFUNG IN EINEM DRAHTLOSEN KOMMUNIKATIONSNETZ

Title (fr)

SYSTEMES ET PROCEDES D'ACQUISITION DE FREQUENCES DANS UN RESEAU DE COMMUNICATION SANS FIL

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Application

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Abstract (en)

[origin: WO2005074222A1] The disclosed embodiments provide for methods and systems for initial frequency acquisition in a wireless communication network. In one aspect, a method for initial frequency acquisition includes the acts of receiving a stream of input samples from a transmitter, determining an estimate for a frequency offset associated with the transmitter and the receiver based on the received input samples, and compensating for the frequency offset to achieve an initial frequency acquisition.

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