

Title (en)

FREQUENCY GENERATION FOR A MULTI-BAND OFDM BASED ULTRA WIDE-BAND RADIO

Title (de)

FREQUENZERZEUGUNG FÜR ULTRABREITBANDFUNK AUF DER BASIS VON MEHRBAND-OFDM

Title (fr)

GENERATION DE FREQUENCE POUR RADIO A BANDE ULTRALARGE BASEE SUR MROF MULTIBANDE

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Application

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Abstract (en)

[origin: WO2005074152A1] The present invention, generally speaking, provides for generation of at least three local oscillator signals for receiving a communication signal occupying corresponding sub-bands of a frequency band using one or more frequency synthesizers (e.g., PLLs or the like) and one or more single sideband mixers. In accordance with certain embodiments, only one single sideband mixer is encountered along the output path of a given local oscillator signal, thereby reducing spurs. In accordance with certain other embodiments, three local oscillator signals are generated continuously.

IPC 8 full level

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