Title (en)

HIGH-EFFICIENCY (HE) COMMUNICATION STATION AND METHOD FOR COMMUNICATING LONGER DURATION OFDM SYMBOLS WITHIN 40 MHZ AND 80 MHZ BANDWIDTH ALLOCATIONS

Title (de)

HOCHEFFIZIENTE KOMMUNIKATIONSSTATION UND VERFAHREN ZUR KOMMUNIKATION VON OFDM-SYMBOLEN MIT LÄNGERER DAUER IN BANDBREITENZUTEILUNGEN VON 40 MHZ- UND 80 MHZ

Title (fr)

STATION DE COMMUNICATION DE HAUTE EFFICACITÉ (HE) ET PROCÉDÉ POUR COMMUNIQUER DES SYMBOLES DE MULTIPLEXAGE PAR RÉPARTITION ORTHOGONALE DE LA FRÉQUENCE (OFDM) D'UNE DURÉE PLUS LONGUE DANS DES AFFECTATIONS DE BANDE PASSANTE DE 40 MHZ ET 80 MHZ

Publication

EP 3158702 A4 20180307 (EN)

Application

EP 15809284 A 20150611

Priority

- US 201462013869 P 20140618
- US 201462024801 P 20140715
- US 201414447254 A 20140730
- US 201462039320 P 20140819
- US 201414573912 A 20141217
- US 2015035313 W 20150611

Abstract (en)

[origin: WO2015195460A1] Embodiments of a high-efficiency (HE) communication station and method for HE communication in a wireless network are generally described herein. The HE communication station may communicate 4x longer-duration OFDM symbols on channel resources in accordance with an OFDMA technique. The channel resources may comprise one or more resource allocation units with each resource allocation unit having a predetermined number of data subcarriers. The station may also configure the resource allocation units in accordance with one of a plurality of subcarrier allocations for one of a plurality of interleaver configurations. The station may process the longer-duration OFDM symbols with a 512-point fast-Fourier Transform (FFT) for communication over a 40 MHz channel bandwidth comprising a 40 MHz resource allocation unit, and with a 1024-point FFT for communication over an 80 MHz channel bandwidth comprising either two 40 MHz resource allocation units or one 80 MHz resource allocation unit.

IPC 8 full level

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CPC (source: EP US)

H04L 1/0071 (2013.01 - EP US); **H04L 5/0007** (2013.01 - EP); **H04L 27/2602** (2013.01 - EP US); **H04L 27/26025** (2021.01 - EP US); H04L 27/2603 (2021.01 - EP US)

Citation (search report)

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- See references of WO 2015195460A1

Designated contracting state (EPC)

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