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Declarations under Rule 4.17:
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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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(54) Title: GUARD-BAND FOR SCALED OFDM MULTIPLEXING

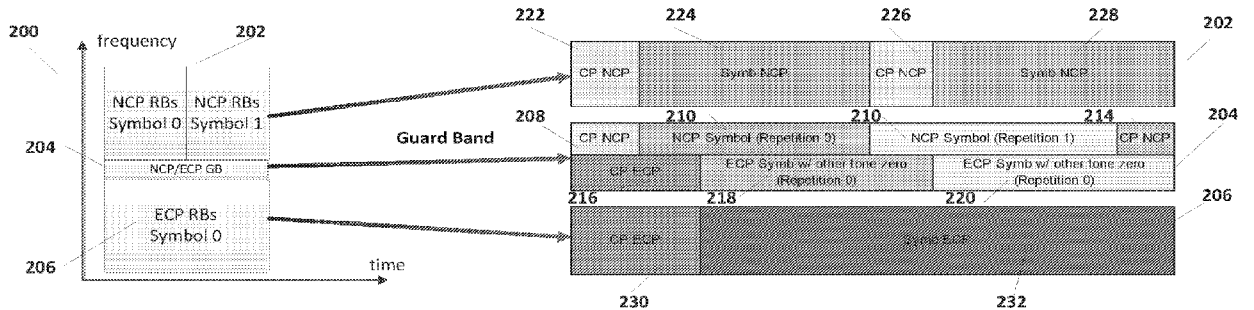


Figure 2

(57) Abstract: A method of multiplexing scaled numerology OFDM waveforms in an orthogonal frequency division multiplexing is presented. A first data can be encoded into a first numerology at a first set of tones and a second data can be encoded into a second numerology at second set of tones. A third data can be encoded into a guard band in such a way that the third data can be interpreted under either the first numerology or the second numerology.

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L5/00 H04L27/26
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A A	US 8 675 570 B2 (CAI SEAN [US]) 18 March 2014 (2014-03-18) figures 3C, 6B ----- US 2011/216776 A1 (BARR DAVID [US]) 8 September 2011 (2011-09-08) figure 5A paragraph [0044]	1-10, 14-26 11-13
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Further documents are listed in the continuation of Box C.

See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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