

(51) International Patent Classification:
H04L 5/26 (2006.01)(21) International Application Number:
PCT/CN2015/086784(22) International Filing Date:
12 August 2015 (12.08.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/038,070 15 August 2014 (15.08.2014) US
14/822,492 10 August 2015 (10.08.2015) US(71) Applicant: **HUAWEI TECHNOLOGIES CO., LTD.**
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K2M 2L4 (CA).(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ,
TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR GENERATING WAVEFORMS AND UTILIZATION THEREOF

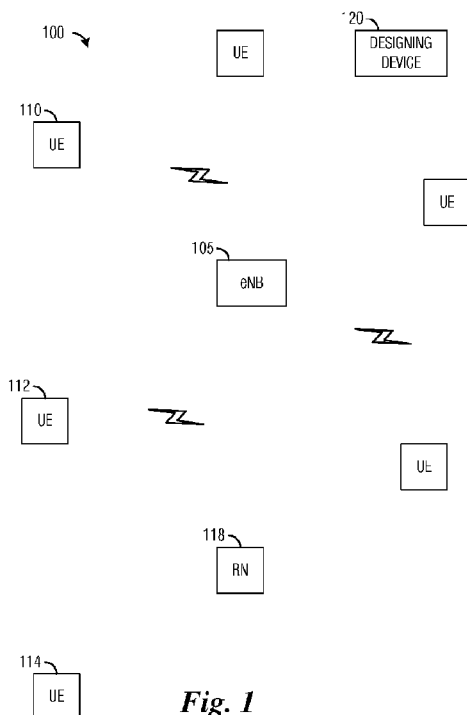


Fig. 1

(57) Abstract: A method for transmitting
a waveform includes adjusting first multi-
plexing parameters of a first multi-carrier
waveform to meet communications re-
quirements of a communications system,
generating a first signal in accordance with
a first input bit block and a first modula-
tion map, placing the first signal in a first
subband, wherein the first subband is spe-
cified in accordance with the first adjusted
multiplexing parameters, and transmitting
the first subband.



— *as to the applicant's entitlement to claim the priority of
the earlier application (Rule 4.17(iii))*

Published:

— *with international search report (Art. 21(3))*