



- (51) International Patent Classification:
H04W 64/00 (2009.01)
- (21) International Application Number:
PCT/US2014/032106
- (22) International Filing Date:
28 March 2014 (28.03.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/812,139 15 April 2013 (15.04.2013) US
61/891,329 15 October 2013 (15.10.2013) US
14/094,622 2 December 2013 (02.12.2013) US
14/094,634 2 December 2013 (02.12.2013) US
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- (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, LT, 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, SZ, TZ,

[Continued on next page]

(54) Title: CONTROL OF THE TRANSMISSION CHARACTERISTICS FOR POSITION DETERMINATION

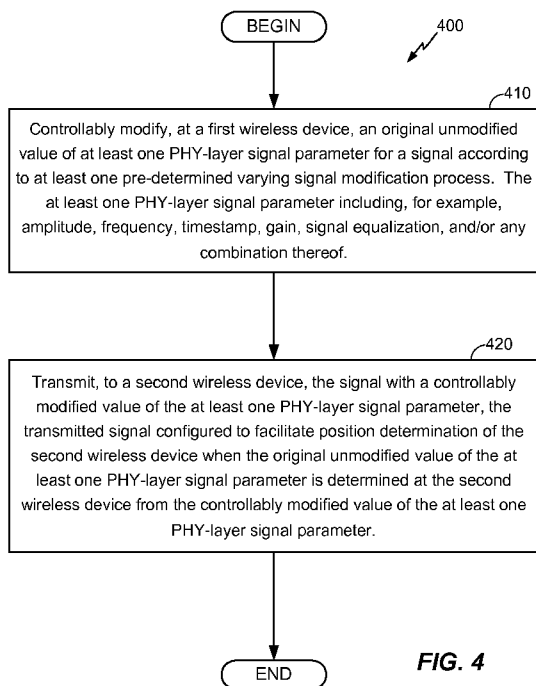
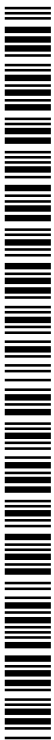


FIG. 4

(57) Abstract: Disclosed are systems, apparatus, devices, methods, media, products, and other implementations, including a method that includes controllably modifying, at a first wireless device, an original unmodified value of at least one PHY-layer signal parameter, such as amplitude, frequency, timestamp, gain, signal equalization, and/or any combination thereof, of a signal according to at least one pre-determined varying signal modification process. The method further includes transmitting to a second wireless device the signal with the controllably modified value of the at least one PHY-layer signal parameter, with the transmitted signal configured to facilitate position determination of the second wireless device when the original unmodified value of the at least one PHY-layer signal parameter is determined at the second wireless device from the controllably modified value of the at least one PHY-layer signal parameter.



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, LT, 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).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

(88) Date of publication of the international search report:

11 December 2014

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2014/032106

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04W64/00
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)
H04W
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	US 2010/137005 A1 (ZENG LEI [CN] ET AL) 3 June 2010 (2010-06-03) page 1, paragraph 12 - page 4, paragraph 45	1-68
X	----- US 6 088 586 A (HAVERTY JAMES D [US]) 11 July 2000 (2000-07-11) page 1, column 1, line 10 - page 5, column 10, line 41 -----	1-68

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

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Date of the actual completion of the international search

30 September 2014

Date of mailing of the international search report

07/10/2014

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2014/032106

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010137005	A1	03-06-2010	NONE

US 6088586	A	11-07-2000	NONE
