

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 July 2008 (10.07.2008)

PCT

(10) International Publication Number
WO 2008/082367 A1

(51) International Patent Classification:
H04J 11/00 (2006.01)

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(21) International Application Number:
PCT/SG2008/000001

(22) International Filing Date: 4 January 2008 (04.01.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/883,645 5 January 2007 (05.01.2007) US

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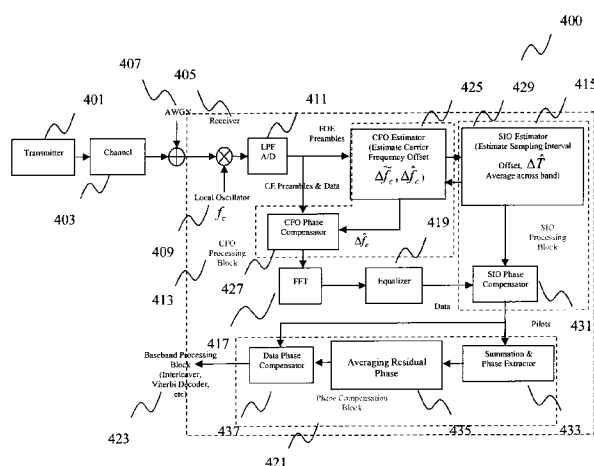
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(54) Title: A METHOD OF DETERMINING A CARRIER FREQUENCY OFFSET BETWEEN A TRANSMITTER AND A RECEIVER



(57) Abstract: A method of determining a first carrier frequency offset between a transmitter and a receiver for a first frequency band and a second carrier frequency offset between the transmitter and the receiver for a second frequency band is provided. The method provided includes determining an estimate of the first carrier frequency offset, determining an estimate of the second carrier frequency offset, determining an estimate of a first sampling interval offset between the transmitter and the receiver for the first frequency band based on the determined estimate of the first carrier frequency offset, and determining an estimate of a second sampling interval offset between the transmitter and the receiver for the second frequency band based on the determined estimate of the second carrier frequency offset. The method provided further includes determining an averaged sampling interval offset based on the calculation of an average of the determined estimate of the first sampling interval offset and the determined estimate of the second sampling interval offset, and determining the first carrier frequency offset and the second carrier frequency offset based on the determined averaged sampling interval offset.

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