

(19) World Intellectual Property Organization
International Bureau



PCT



(43) International Publication Date
12 September 2008 (12.09.2008)

(10) International Publication Number
WO 2008/109607 A1

(51) International Patent Classification:

H04L 25/02 (2006.01) **H03G 3/20** (2006.01)
H04L 27/26 (2006.01)

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(21) International Application Number:

PCT/US2008/055807

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(22) International Filing Date: 4 March 2008 (04.03.2008)

(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.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/893,060	5 March 2007 (05.03.2007)	US
60/893,058	5 March 2007 (05.03.2007)	US
11/777,263	12 July 2007 (12.07.2007)	US

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(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,

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[Continued on next page]

(54) Title: APPARATUS AND METHODS ACCOUNTING FOR EFFECTS OF DISCONTINUITIES AT THE OUTPUT OF AUTOMATIC GAIN CONTROL IN A MULTI CARRIER SYSTEM

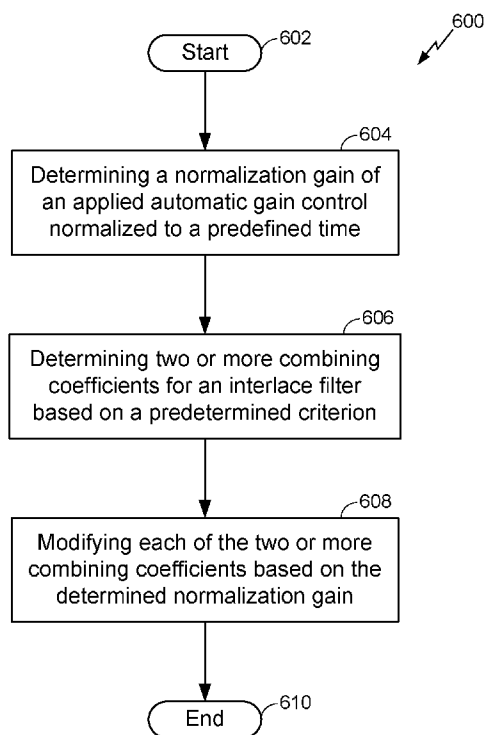


FIG. 6

(57) Abstract: Apparatus and methods are provided for accounting for the effects of automatic gain control (AGC) in a multi carrier communications system when combining pilot tone interlaces by essentially reversing the effects of the AGC. In an aspect, a method for adjusting for the effects of automatic gain control when combining pilot interlaces in an interlace filter of a communication system is disclosed. The method includes determining a normalization gain of an applied automatic gain control normalized to a predefined time (604). Additionally, two or more combining coefficients for an interlace filter are determined based on a selected criterion (606). Each of the two or more combining coefficients is then modified based on the determined normalization gain (608) to yield adjusted combining coefficients. Corresponding apparatus are also disclosed.

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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).

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

Declarations under Rule 4.17:

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

Published:

— *with international search report*
— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*