(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 February 2010 (25.02.2010)

PCT

(10) International Publication Number
WO 2010/022003 A1

(51) International Patent Classification:
H04B 7/02 (2006.01) *H04W 52/40* (2009.01)
H04W 52/24 (2009.01)

(21) International Application Number:
PCT/US2009/054084

(22) International Filing Date:
17 August 2009 (17.08.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/089,770 18 August 2008 (18.08.2008) US
12/491,770 25 June 2009 (25.06.2009) 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, 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, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, 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, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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))*

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

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR PROCESSING POWER CONTROL COMMANDS IN A WIRELESS COMMUNICATION SYSTEM

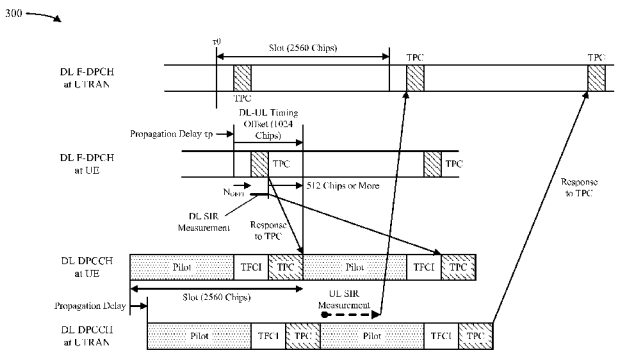

FIG. 3

(57) Abstract: Systems and methodologies are described that facilitate efficient power control command management in a wireless communication environment. As described herein, techniques can be utilized by a Node B and/or other network access point to compensate for differences between uplink slot boundaries and a power control command combining period associated with the uplink slot. For example, the timing of Transmitter Power Control (TPC) bit transmission can be altered as described herein such that, if a given cell or cell sector is associated with a radio link set of size 2 or greater and a TPC timing offset of size 2 or less, TPC command information can be buffered and/or otherwise delayed to a slot following the slot in which corresponding channel measurements are obtained in order to prevent efficiency loss associated with combining TPC bits of inverse polarity corresponding to multiple disparate slots.

WO 2010/022003 A1

Published:

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