

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
21 September 2006 (21.09.2006)

PCT

(10) International Publication Number
WO 2006/099243 A1

(51) International Patent Classification:

H04Q 7/38 (2006.01) **H04L 12/56** (2006.01)

(21) International Application Number:

PCT/US2006/008800

(22) International Filing Date: 9 March 2006 (09.03.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/660,900 10 March 2005 (10.03.2005) US

(71) Applicant (for all designated States except US): **QUALCOMM INCORPORATED** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHANDHOK, Ravinder** [US/US]; 14339 Bent Tree Court, Poway, California 92064 (US). **COLLINS, Bruce** [US/US]; 11730 Angelique Street, San Diego, California 92131 (US). **GAUTAM, Shusheel** [US/US]; 4449 Vereda Luna Llena, San Diego, California 92130 (US).(74) Agents: **WADSWORTH, Philip, R.** et al.; 5775 Morehouse Drive, San Diego, California 92121 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, 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: METHOD AND SYSTEM FOR ACHIEVING FASTER DEVICE OPERATION BY LOGICAL SEPARATION OF CONTROL INFORMATION

700
↘

TIME	FLOW DESCRIPTION MESSAGE		BIN0 (REAL TIME)	BIN 1 (NON REAL TIME)
			CONTROL SEQUENCE NUMBER	CONTROL SEQUENCE NUMBER
t ₁	FLOW ID (CNN)	100 → MLC ID 20 TRANSMIT MODE (A)	①	
t ₂	FLOW ID	200 → MLC ID 30 TRANSMIT MODE (B)		①
t ₃	FLOW ID	300 → MLC ID 30 TRANSMIT MODE (C)		②
t ₄	FLOW ID	600 → MLC ID 30 TRANSMIT MODE (D)		③
t ₅	FLOW ID (ESPN)	700 → MLC ID 50 TRANSMIT MODE (E)	②	

(57) Abstract: Provided is a method and system for managing device operations. The method includes dividing control information into two or more portions, each portion being associated with a unique control sequence number. Each of the associated control sequence numbers is examined during an update cycle to determine which of the portions must be updated. The control sequence number includes information related to control information updates.

WO 2006/099243 A1

**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*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.