

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number  
WO 2004/107772 A3

(51) International Patent Classification : **H04B 1/38**,  
H04M 1/00, 3/00, 3/42, 1/64

(21) International Application Number:  
PCT/US2004/016320

(22) International Filing Date: 24 May 2004 (24.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10/447,633 29 May 2003 (29.05.2003) US

(71) Applicant (for all designated States except US): **MOTOROLA, INC.**, a corporation of the State of Delaware [US/US]; 1303 East Algonquin Road, Schaumburg, Illinois 60196 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SIERAWSKI, Jeffrey, A.** [US/US]; 1043 Fosters Mill Road, Boynton Beach, Florida 33436 (US). **BARROS, Mark, A.** [US/US]; 3542

Old Lighthouse Circle, Wellington, Florida 33414 (US). **BUJOLD, John, H.** [US/US]; 6363 Sand Hills Circle, Lake Worth, Florida 33463 (US).

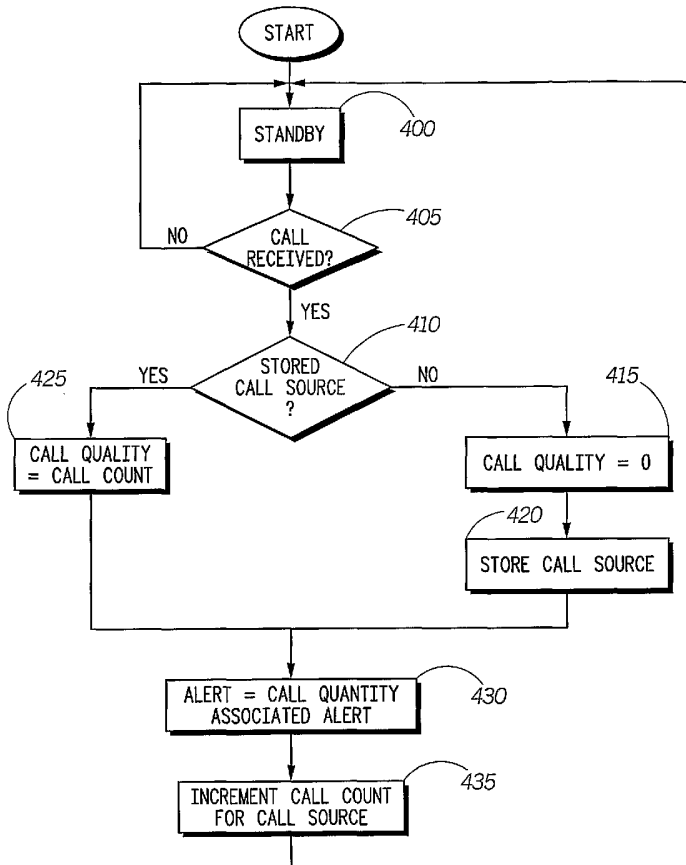
(74) Agents: **KARPINIA, Randi, L.** et al.; 8000 West Sunrise Boulevard, Room 1610, Plantation, Florida 33322 (US).

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: COMMUNICATION DEVICE WITH HISTORY BASED ALERTS AND METHOD THEREFOR



(57) Abstract: A communication device (100) includes a transceiver (115) for receiving a call, a received calls memory (145) for storing call sources (300) and for storing an associated call count (315) for each call source (310), and a processor (120). The processor (120) is programmed to: identify a call source of a received call, generate a command signal to an alert circuit (130) identify a unique alert associated with the call count, and increment the call count. The communication device (100) further includes the alert circuit (130) for alerting using the unique alert identified by the processor (120).

WO 2004/107772 A3



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:  
16 February 2006

**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.*

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/16320

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(7) : H04B 1/38; H04M 1/00, 3/00, 3/42, 1/64  
 US CL : 455/567, 418, 566, 414.1, 415; 379/373.01, 373.02, 373.03, 374.01, 374.03, 376.01, 88.19, 88.21  
 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)  
 U.S. : 455/567, 418, 566, 414.1, 415; 379/373.01, 373.02, 373.03, 374.01, 374.03, 376.01, 88.19, 88.21

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)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	US 6,448,885 B1 (ABE et al) 10 September 2002 (10.09.2002)	4
Y		1-3, 5-6, and 7-10
Y	US 6,005,927 A (RAHRER et al) 21 December 1999 (21.12.1999)	1-3, and 5-10

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search: 29 September 2005 (29.09.2005)  
 Date of mailing of the international search report: 4 JAN 2006

Name and mailing address of the ISA/US: Mail Stop PCT, Attn: ISA/US, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450  
 Facsimile No. (703) 305-3230  
 Authorized officer: Ken Wieder  
 Telephone No. 571-272-2600