

(43) International Publication Date
22 November 2007 (22.11.2007)

PCT

(10) International Publication Number
WO 2007/132316 A3

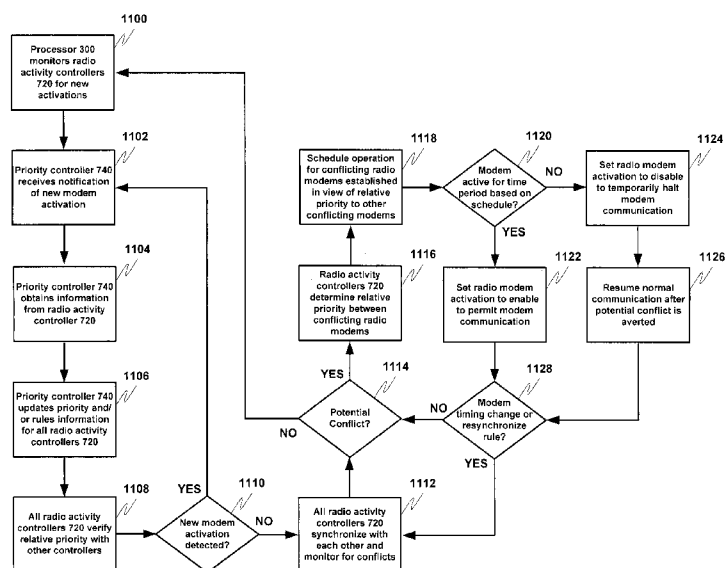
- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International Patent Classification:
<i>H04Q 7/32</i> (2006.01) <i>H04B 7/08</i> (2006.01) | (74) Agent: FRANK, Elliot, L.; c/o MORGAN & FINNEGAN LLP, Three World Financial Center, New York, NY 10281-2101 (US). |
| (21) International Application Number:
PCT/IB2007/001192 | (81) Designated States (<i>unless otherwise indicated, for every kind of national protection available</i>): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, 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, 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, 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. |
| (22) International Filing Date: 8 May 2007 (08.05.2007) | |
| (25) Filing Language: English | |
| (26) Publication Language: English | |
| (30) Priority Data:
11/431,542 11 May 2006 (11.05.2006) US | (84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): 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, MT, 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). |
| (71) Applicant (<i>for all designated States except US</i>): NOKIA COPORATION [FI/FI]; Keilalahdentie 4, FI-02150 Espoo (FI). | |
| (71) Applicant (<i>for LC only</i>): NOKIA INC. [US/US]; 6000 Connection Drive, Irving, Texas 75039 (US). | |
| (72) Inventors; and | |
| (75) Inventors/Applicants (<i>for US only</i>): KASSLIN, Mika [FI/FI]; Seljamäki 6 A, FI-02770 Espoo (FI). KIUKKO-NEN, Niko [FI/FI]; Käärmekuusenpolku 4 F 23, FI-02880 Veikkola (FI). | (88) Date of publication of the international search report:
— <i>with international search report</i>
10 April 2008 |

Published:

— *with international search report*

(88) Date of publication of the international search report: 10 April 2008

(54) Title: REDUCE INTERFERENCE IN A TERMINAL DEVICE BASED ON INFORMATION TYPE



(57) Abstract: A system for managing the simultaneous operation of a plurality of radio modems in a single wireless communication device (WCD). The multiradio control may be integrated into a WCD as a subsystem responsible for scheduling wireless communications by temporarily enabling or disabling a plurality of radio modems. The multiradio control system may include a plurality of distributed control components, some or all of which are coupled to a dedicated radio interface. The radio interface is dedicated to quickly conveying delay sensitive information to and from the distributed control components. This information may be requested by any or all of the distributed control components, or provided by any or all of the radio modems if a change occurs during operation.

WO 2007/132316 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2007/001192

A. CLASSIFICATION OF SUBJECT MATTER

IPC: see extra sheet

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)

IPC: H04Q, H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1583295 A2 (BROADCOM CORP), 5 October 2005 (05.10.2005), paragraphs [0009]-[0011]; [0025]; [0030]-[0035]; [0037]; [0049]-[0054], claims 1-10, abstract --	1-32
X	US 20050018706 A1 (MYOJO, T), 27 January 2005 (27.01.2005), paragraphs [0009]; [0026]-[0033]; claims 1-10, abstract --	1-32
A	GB 2412817 A (NOKIA CORP), 5 October 2005 (05.10.2005), page 1, line 5 - line 17; page 2, line 8 - line 12; page 6, line 25 - line 30, page 9, line 10 - line 25; claims 1-2, abstract --	1-32

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

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "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)
- "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

"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

"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

"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

"&" document member of the same patent family

Date of the actual completion of the international search

19 December 2007

Date of mailing of the international search report

21-12-2007

Name and mailing address of the ISA/

Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Maziar Soltani /LR
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2007/001192

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 120030060206 A1 (SOINTULA, E ET AL), 27 March 2003 (27.03.2003), paragraph [0036]; claims 1-6, abstract -----	1-32

International patent classification (IPC)**H04Q 7/32** (2006.01)**H04B 7/08** (2006.01)**Download your patent documents at www.prv.se**

The cited patent documents can be downloaded at www.prv.se by following the links:

- In English/Searches and advisory services/Cited documents (service in English) or
- e-tjänster/anförda dokument(service in Swedish).

Use the application number as username.

The password is **YRTDXXJPJZ**.

Paper copies can be ordered at a cost of 50 SEK per copy from PRV InterPat (telephone number 08-782 28 85).

Cited literature, if any, will be enclosed in paper form.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/IB2007/001192

EP	1583295	A2	05/10/2005	CN	1738310	A	22/02/2006
				TW	267313	B	21/11/2006
				US	20050215284	A	29/09/2005

US	20050018706	A1	27/01/2005	JP	3817531	B	06/09/2006
				JP	2005045330	A	17/02/2005

GB	2412817	A	05/10/2005	GB	0405385	D	00/00/0000

US	120030060206	A1	27/03/2003	NONE			
