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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 November 2007 (29.11.2007)

PCT

(10) International Publication Number
WO 2007/135516 A3

(51) International Patent Classification:
H04L 12/28 (2006.01) *H04Q 7/38* (2006.01)
H04Q 7/32 (2006.01)

(21) International Application Number:
PCT/IB2007/001269

(22) International Filing Date: 16 May 2007 (16.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/800,659 16 May 2006 (16.05.2006) US
11/747,513 11 May 2007 (11.05.2007) US

(71) Applicant *(for all designated States except US)*: **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(71) Applicant *(for LC only)*: **NOKIA INC.** [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).

(72) Inventors: **WIJTING, Carl**; Kuusitie 7 A 12, FIN-00270 Helsinki (FI). **SALOKANNEL, Juha**; Siikinatu 13, FIN-33170 Tampere (FI). **KNECKT, Jarkko**; Rakentajainrinne 6, FIN-02330 Espoo (FI).

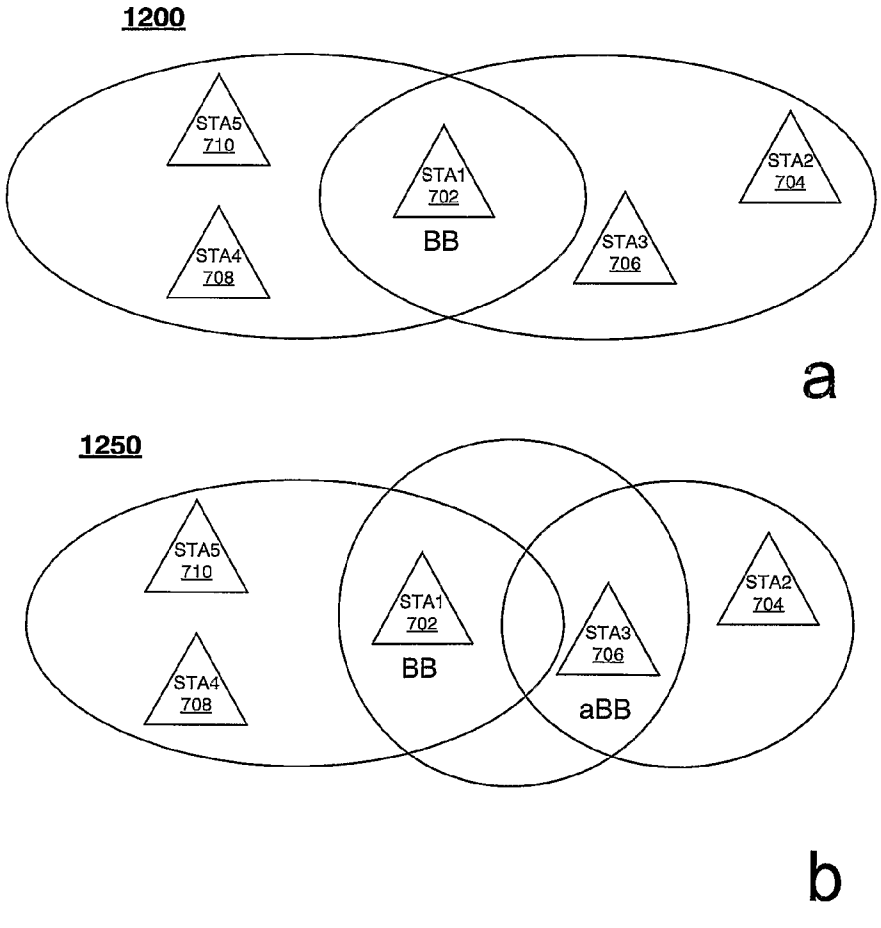
(74) Agent: **BRAKE, R., Edward**; c/o Intellevate, P.O. Box 52050, Minneapolis, MN 55402 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: 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.

(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, MT, NL, PL,

[Continued on next page]

(54) Title: BEACON BROADCASTER METHODS AND SYSTEMS FOR WIRELESS NETWORKS



(57) Abstract: Various embodiments are described relating to changing the role of the beacon broadcaster among nodes in a wireless network, such as a wireless meshed network. In an example embodiment, a message, for example, a beacon message, including a connectivity report description, may be sent from a current beacon broadcaster to one or more nodes in a wireless network (402). A connectivity report based on the connectivity report description may be received from a reporting node included in the one or more nodes (404). A next beacon broadcaster may be determined based on the connectivity report received from the one or more nodes (406).

WO 2007/135516 A3

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

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*

(88) Date of publication of the international search report:
28 February 2008

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2007/001269

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: H04L, 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, INSPEC, INTERNET

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0249272 A2 (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), 20 June 2002 (20.06.2002), page 9, line 14 - page 10, line 4; page 15, line 18 - line 27; page 20, line 10 - line 27, claims 1-3,8, abstract --	1-21
A	EP 1458141 A2 (SAMSUNG ELECTRONICS CO, LTD), 15 Sept 2004 (15.09.2004), paragraphs [0008]-[0011], abstract --	1-21
A	US 20050059420 A1 (SALOKANNEL, J ET AL), 17 March 2005 (17.03.2005), paragraphs [0005]-[0007]; [0015]; [0034], abstract --	1-21

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

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Date of the actual completion of the international search	Date of mailing of the international search report
20 December 2007	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 Ralf Boström /LR Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2007/001269

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2005006658 A1 (NOKIA CORP), 20 January 2005 (20.01.2005), page 1, line 8 - page 5, line 23, abstract --	1-21
A	802.15.3, IEEE Standard, IEEE Computer Society, 29 September 2003, retrieved from: http://standards.ieee.org/getieee802/download/802.15.3-2003.pdf, see sections 6.3.10; 7.4.9; 7.5.3; 8.2.3; 8.2.4, abstract --	1-21
P,A	NA SHAN ET AL: "BB selection using Connectivity Reports", doc.: IEEE 802.11-07/1944r0, 2007-01-08, retrieved from: https://mentor.ieee.org/802.11/public/07/11-07-1944-00-000s-bb-selection-using-connectivity-reports.ppt, see the whole document -- --------	1-21

International patent classification (IPC)
H04L 12/28 (2006.01)
H04Q 7/32 (2006.01)
H04Q 7/38 (2006.01)

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

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
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