

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 September 2007 (13.09.2007)

PCT

(10) International Publication Number
WO 2007/103618 A3

(51) International Patent Classification:
H04L 12/28 (2006.01)

(21) International Application Number:

PCT/US2007/062198

(22) International Filing Date:

15 February 2007 (15.02.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/369,159

6 March 2006 (06.03.2006) US

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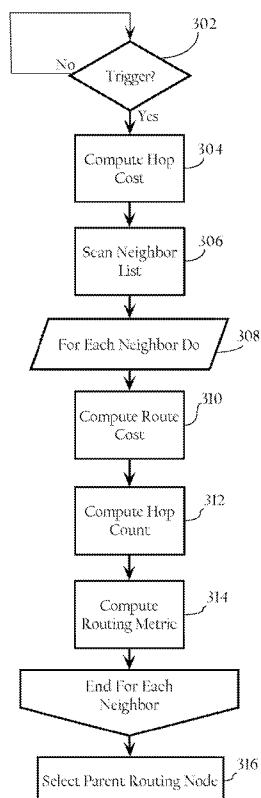
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, 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, 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).

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(54) Title: DYNAMIC MODIFICATION OF CONTENTION-BASED TRANSMISSION CONTROL PARAMETERS ACHIEVING LOAD BALANCING SCHEME IN WIRELESS MESH NETWORKS



(57) Abstract: Methods, apparatuses and systems directed to facilitating load balancing and bandwidth a) location in wireless mesh networks. Generally, according to one implementation of the present invention., routing nodes implement a contention-based media access mechanism and self-allocate bandwidth within a wireless mesh network by dynamically modifying one or more contention-based transmission control parameters. The routing nodes determine a hop count and adjust one or more contention parameters based at least in part, on the hop count.



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))*

Published:

- *with international search report*

(88) Date of publication of the international search report:

13 March 2008

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/62198

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04L 12/28 (2007.10)

USPC - 370/406

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(8) - H04L 12/28 (2007.10)

USPC - 370/406

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)

Databases: PatBase, MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2004/0090943 A1 (DA COSTA et al) 13 May 2004 (13.05.2004) entire document	1, 4-9, 12-16 ----- 2, 3, 10, 11
Y	US 2005/0271019 A1 (YUAN et al) 08 December 2005 (08.12.2005) entire document	2, 3, 10, 11

☐ Further documents are listed in the continuation of Box C.

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search

06 November 2007

Date of mailing of the international search report

20 DEC 2007

Name and mailing address of the ISA/US

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Facsimile No. 571-273-3201

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