

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 March 2006 (23.03.2006)

PCT

(10) International Publication Number  
**WO 2006/031587 A3**

(51) International Patent Classification:  
**H04L 12/56** (2006.01)

(21) International Application Number:  
PCT/US2005/031974

(22) International Filing Date:  
8 September 2005 (08.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/608,775 10 September 2004 (10.09.2004) US  
11/010,465 13 December 2004 (13.12.2004) US

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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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, 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).

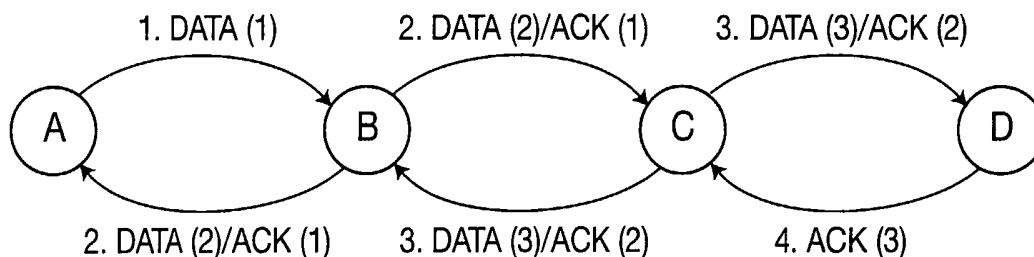
**Published:**

- 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:  
15 June 2006

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.

(54) Title: REDUCING LATENCY WHEN TRANSMITTING ACKNOWLEDGEMENTS IN MESH NETWORKS



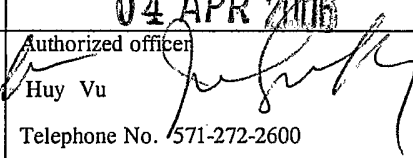
(57) Abstract: A method for reducing latency in transmitting an acknowledgement (ACK) in a mesh network begins by receiving a data packet at an intermediate node (B, C) from a source node (A). The intermediate node (B, C) generates an ACK upon receipt of the data packet. The intermediate node (B, C) then forwards a data packet to a target node (D), including the ACK in the data packet. By combining the ACK with the data packet, the source node (A) receives the data packet.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/31974

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC: <b>H04L 12/56( 2006.01)</b>  USPC: <b>370/229</b> According to International Patent Classification (IPC) or to both national classification and IPC																	
<b>B. FIELDS SEARCHED</b>  Minimum documentation searched (classification system followed by classification symbols) U.S. : 370/229, 235, 236, 351, 389, 392, 396, 400; 709/234; 714/748, 749  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) USPAT, USGPUB, Derwent, EPO, jpo																	
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 6038216, (PACKER), 14 March 2000, figs. 1-2I and abstract</td> <td>1-10</td> </tr> <tr> <td>A</td> <td>US 6208622 B1, (MAKRUCKI), 27 March 2001, fig. 2</td> <td>1-10</td> </tr> <tr> <td>Y</td> <td>US 2001/0025310 A1, (KRISHNAMURTHY et al.), 27 September 2001, fig. 4</td> <td>1-10</td> </tr> <tr> <td>Y</td> <td>US 2003/0025959 A1, (NAGARAJAN et al.), 6 February 2003, figs. 1-7</td> <td>1-10</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 6038216, (PACKER), 14 March 2000, figs. 1-2I and abstract	1-10	A	US 6208622 B1, (MAKRUCKI), 27 March 2001, fig. 2	1-10	Y	US 2001/0025310 A1, (KRISHNAMURTHY et al.), 27 September 2001, fig. 4	1-10	Y	US 2003/0025959 A1, (NAGARAJAN et al.), 6 February 2003, figs. 1-7	1-10
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																	
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Date of the actual completion of the international search 15 February 2006 (15.02.2006)		Date of mailing of the international search report <b>04 APR 2006</b>															
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. (571) 273-3201		Authorized officer  Huy Vu Telephone No. 571-272-2600															