

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 February 2008 (07.02.2008)

PCT

(10) International Publication Number
WO 2008/016846 A3

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

(21) International Application Number:
PCT/US2007/074587

(22) International Filing Date: 27 July 2007 (27.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/461,052 31 July 2006 (31.07.2006) US

(71) Applicant (for all designated States except US): HARRIS CORPORATION [US/US]; 1025 W. NASA Blvd., MS A-11I, Melbourne, Florida 32919 (US).

(72) Inventors: SMITH, Donald, L.; 584 Hawksbill Island Drive, Satellite Beach, Florida 32937 (US). GALLUSCIO, Anthony, P.; 549 Hummingbird Drive, Indialantic, Florida 32903 (US). KNAZIK, Robert, J.; 112 St. Croix Avenue, Cocoa Beach, Florida 32931 (US).

(74) Agents: YATSKO, Michael, S. et al.; Harris Corporation, 1025 W. NASA Blvd., MS A-11I, Melbourne, Florida 32919 (US).

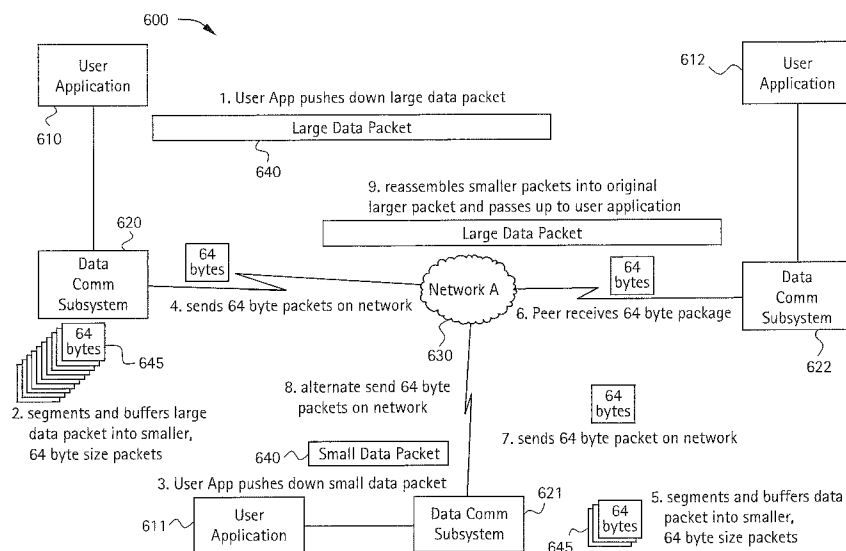
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, 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, 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:
20 March 2008

(54) Title: SYSTEMS AND METHODS FOR SAR-CAPABLE QUALITY OF SERVICE



(57) Abstract: Certain embodiments of the present invention provide systems and methods for data communication via a network. Certain embodiments provide a method for data communication via a network. The method includes receiving a first data packet for transmission. The method also includes comparing a size of the first data packet to a data packet size criterion. The method further includes segmenting the first data packet to produce a plurality of segmented data packets when the size of the first data packet does not satisfy the data packet size criterion. The method includes transmitting the plurality of segmented data packets. Additionally, the method includes reassembling the plurality of segmented data packets into the first data packet for delivery to an application.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/074587

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L12/56

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)
H04L

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 practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY INFORMATION SCIENCES INSTITUTE UNIVERSITY OF SOUTHERN CALIFORNIA 4676 ADMIRALTY WAY MARI: "INTERNET PROTOCOL DARPA INTERNET PROGRAM PROTOCOL SPECIFICATION ; rfc791.txt" IETF STANDARD, INTERNET ENGINEERING TASK FORCE, IETF, CH, September 1981 (1981-09), XP015006773 ISSN: 0000-0003 page 8, line 5 - line 8 page 8, line 20 - line 29 page 8, line 31 - line 37 page 9, line 12 - line 20 ----- -/--	1-7

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Date of the actual completion of the international search 16 January 2008	Date of mailing of the international search report 24/01/2008
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Engmann, Steffen

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International application No
PCT/US2007/074587

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 193 938 A (ERICSSON TELEFON AB L M [SE]) 3 April 2002 (2002-04-03) abstract paragraph [0017] paragraph [0021] paragraph [0027] paragraph [0036] - paragraph [0037] paragraph [0062] - paragraph [0063] claims 1,3,4,6 -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/074587

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1193938	A	03-04-2002	NONE