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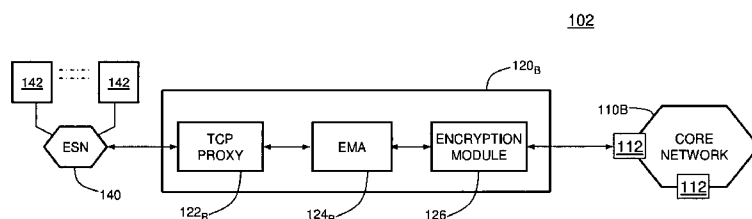
- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report

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28 August 2008

(54) Title: INTEGRATED QUALITY OF SERVICE AND RESOURCE MANAGEMENT IN A NETWORK EDGE DEVICE



(57) Abstract: An apparatus for providing Quality of Service (QoS) and resource management in a network edge device of a core communication network is disclosed. The apparatus has scalable modular hardware/software architecture and adapted for receiving detachable functional units. Each functional unit may contain at least one module performing one or more pre-selected QoS and resource management functions in the network edge device.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/86379

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 15/173 (2008.01)

USPC - 709/223

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)
USPC: 709/223

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 709/223, 226, 229, 235 (search term limited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST (DB=USPAT, USPGPB, EPAB, JPAB); Google search, terms including: quality of service, network, communications, network edge, modular, server, switch, HAIP, IPSec, VoIP, compression, IP PBX, RUDP, MLPP, FTP, TCP/IP, RSVP, video, cryptographic, code

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 2004/0223500 A1 (SANDERSON et al.) 11 November 2004 (11.11.2004) para [0006]-[0058], [0102]-[0175].	1-5, 10, 14, 17, 19-27 6-9, 11-13, 15, 16, 18
Y	US 2006/0039280 A1 (ANANDAKUMAR et al.) 23 February 2006 (23.02.2006) para [0055], [0344].	6, 7, 13
Y	US 2004/0172464 A1 (NAG) 02 September 2004 (02.09.2004) para [0037], [0055].	8, 12, 15
Y	US 2003/0131079 A1 (NEALE et al.) 10 July 2003 (10.07.2003) para [0008].	9
Y	US 2005/0204021 A1 (MUGICO et al.) 15 September 2005 (15.09.2005) para [0058].	11, 18
Y	US 2004/0170125 A1 (O'NEILL) 02 September 2004 (02.09.2004) para [0114].	16

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Date of the actual completion of the international search

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Date of mailing of the international search report

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