

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 May 2008 (22.05.2008)

PCT

(10) International Publication Number
WO 2008/061171 A3

(51) **International Patent Classification:**
G06F 11/00 (2006.01)

(21) **International Application Number:**
PCT/US2007/084756

(22) **International Filing Date:**
15 November 2007 (15.11.2007)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**
11/560,437 16 November 2006 (16.11.2006) US

(71) **Applicant (for all designated States except US):** COM-
CAST CABLE HOLDINGS, LLC [US/US]; 1500 Mar-
ket Street, 34th Floor, Philadelphia, PA 19102-2148 (US).

(72) **Inventors; and**

(75) **Inventors/Applicants (for US only):** MODY, Nirmal
[US/US]; 129 Newport Lane, North Wales, PA 19454-1463
(US). O'REIRDAN, Michael [GB/US]; 3303 Ebbtide
Lane, Palmyra, NJ 08065-2134 (US). SCULLY, Matt
[US/US]; 403 S. 11th Street, Philadelphia, PA 19147-1246
(US).

(74) **Agents:** BUSER, John, R. et al.; Brooks Kushman, 1000
Town Center, Twenty-Second Floor, Southfield, MI 48075
(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

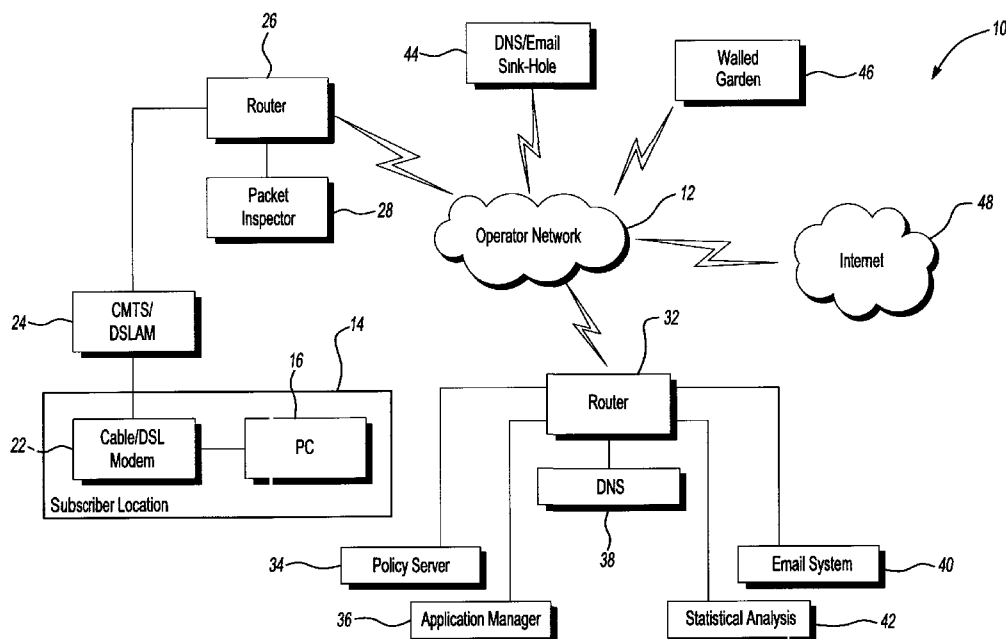
(84) **Designated States (unless otherwise indicated, for every
kind of regional protection available):** ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(U))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(Hi))

[Continued on next page]

(54) **Title:** PROCESS FOR ABUSE MITIGATION



(57) **Abstract:** Method of limiting offending messages communicated over a network, such as but not limited to messages associated with Spam and DoS attacks. The message limiting optionally including limiting bandwidth or other communication capabilities associated with an entity communicating or facilitating communication of the messages.

WO 2008/061171 A3



Published:

— *with international search report*

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

9 October 2008

INTERNATIONAL SEARCH REPORT

International application No

PCT/US 07/84756

A CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 11/00 (2008.04)

USPC - 726/22

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 726/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC 726/3, 22, 25, 26, 31, 713/150, 153, 168, 709/224, 229, 232

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

UPSTO WEST (PGPB, USPT, EPAB, JPAB), Google Scholar

Search Terms Used controlling or reducing or limiting communication or bandwidth or capabilities certain or specific or type etc

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	US 2002/0133613 A1 (Teng et al) 19 September 2002 (19 09 2002), abstract, para [0022] - [0026]	1-20
Y	US 2004/0030776 A1 (Cantrell et al) 12 February 2004 (12 02 2004), abstract, para [0004, 0017, 0021, 0024, 0028, 0048]	1-20
A	US 2003/0061338 A1 (STELLIGA) 27 March 2003 (27 03 2003), abstract	1-20
A	US 2005/0021740 A1 (Bar et al) 27 January 2005 (27 01 2005), abstract, and para [0006]-[0015]	1-20

1 Further documents are listed in the continuation of Box C

* Special categories of cited documents	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

28 May 2008 (28 05 2008)

Date of mailing of the international search report

06 JUN 2008

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

Lee W Young

PCT Helpdesk 571 272-4300
PCT OSP 571-272 7774