

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BBNT SOLUTIONS LLC	03/26/2004
RECEIVING PARTY DATA	
Name:	VERIZON CORPORATE SERVICES GROUP INC.
Street Address:	1095 AVENUE OF THE AMERICAS
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10036
Name:	BBNT SOLUTIONS LLC
Street Address:	10 MOULTON STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02138
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	12771257
Patent Number:	7725126
CORRESPONDENCE DATA	
Fax Number:	(703)351-3665
Phone:	703-351-3579
Email:	eddy.valverde@verizon.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Verizon Patent Management Group
Address Line 1:	1320 N. Courthouse Road
Address Line 2:	9th Floor

CH \$80.00 12771257

Address Line 4: Arlington, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:

03-4045C2

NAME OF SUBMITTER:

Joseph R. Palmieri

Total Attachments: 16

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ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS is effective as of March 26, 2004 between BBNT Solutions LLC, a limited liability company organized and existing under the laws of Delaware and having a principal business address of 10 Moulton Street, Cambridge, Massachusetts 02138, (hereinafter "ASSIGNOR"), and Verizon Corporate Services Group Inc., a corporation organized and existing under the laws of New York, having a principal business address of 1095 Avenue of the Americas, New York, New York 10036, and BBNT Solutions LLC, a limited liability company organized and existing under the laws of Delaware and having a principal business address of 10 Moulton Street, Cambridge, Massachusetts 02138 (hereinafter jointly "ASSIGNEE").

WHEREAS, ASSIGNOR is the owner of certain rights, title and interest in and to the inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in the attached Schedule A; and

WHEREAS, ASSIGNEE is desirous of acquiring the aforesaid inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in Schedule A.

NOW, THEREFORE, in consideration of the premises and the mutual covenants set forth in the Intellectual Property Agreement among BBNT Solutions LLC, Verizon Communications Inc., a corporation organized and existing under the laws of New York, having a principal business address of 1095 Avenue of the Americas, New York, New York 10036, and Verizon Technologies Corp., a corporation organized and existing under the laws of New York, having a principal business address of 1095 Avenue of the Americas, New York, New York 10036 and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and subject to any rights and licenses granted to third parties on or before the effective date hereof, ASSIGNOR does hereby assign unto ASSIGNEE an undivided joint ownership in all rights, title and interest of ASSIGNOR in and to the aforesaid inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in Schedule A, including all inventions and improvements described therein, any legal equivalent thereof in all foreign countries (subject, however, to applicable patent laws in such countries), the right to claim priority therefrom, and in and to all Letters Patent worldwide to be obtained by such patent applications or any continuations, divisions, renewals, extensions, substitutes, reissues or re-examinations thereof, the same to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the terms for which such Letters Patent are granted, plus any extensions, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made, together with all claims for damages by reason of past and future infringement of said Letters Patent and inventions, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.



ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent resulting from the inventions and Applications for United States Letters Patent listed in Schedule A or any divisions, reissues, continuations (in whole or in part), renewals, extensions, substitutes or re-examinations thereof to ASSIGNEE as assignee of ASSIGNOR's interest therein.

BBNT SOLUTIONS LLC

By:


Mark Sherman
Vice President, Contracts

Date:

5/3/04

Schedule A

Verizon Docket	Country	Ser.No.App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner	-----	-----	-----	-----	-----	-----	-----
00-3005	United States	9/ 638,166	8/10/2000			Allowed	
BBNT Solutions LLC							
ROUTING T-37 EMAIL OVER AN H323 (VOIP) NETWORK							
00-3005 DIV 1	United States	10 748,859	12/29/2003			Pending	
BBNT Solutions LLC							
ROUTING T-37 EMAIL OVER AN H323 (VOIP) NETWORK							
00-3006	United States	9/ 621,252	7/21/2000			Pending	
BBNT Solutions LLC							
SYSTEMS AND METHODS FOR CONDITIONAL ROUTING OF CALLS IN A TELEPHONY NETWORK							
00-4003	United States	9/ 588,057	6/5/2000			Pending	
BBNT Solutions LLC							
SYSTEM AND METHOD FOR TESTING THE SPEAKER AND MICROPHONE OF A COMMUNICATION DEVICE							
00-4006	United States	9/ 748,057	12/22/2000			Published	
BBNT Solutions LLC							
STREAMING CONTENT							
00-4013	United States	9/ 585,933	6/2/2000			Pending	
BBNT Solutions LLC							
METHODS AND SYSTEMS FOR SUPPLYING ENCRYPTION KEYS							
00-4019	United States	9/ 575,102	5/19/2000	6,650,742	11/18/2003	Issued	
BBNT Solutions LLC							
SYSTEMS AND METHODS FOR REDUCING THE OCCURRENCE OF ANNOYING VOICE CALLS							
00-4023	United States	9/ 826,715	4/5/2001			Pending	
BBNT Solutions LLC							
SYSTEMS AND METHODS FOR IMPLEMENTING SEGMENTATION IN SPEECH RECOGNITION SYSTEMS							
00-4026	United States	9/ 699,922	10/30/2000			Pending	
BBNT Solutions LLC							
SYSTEMS AND METHODS FOR AUTOMATICALLY ADJUSTING THE VOLUME OF AN AUDIO SOURCE							

Schedule A

Verizon Docket	Country	Ser.No.App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner							
00-4028	United States	9/ 871,024	5/31/2001			Pending	
BBNT Solutions LLC							
METHOD AND APPARATUS FOR ELIMINATING UNWANTED TELEPHONE CALLS							
00-4029	United States	9/ 777,969	2/5/2001			Published	
BBNT Solutions LLC							
METHOD, APPARATUS AND PROGRAM FOR PROVIDING USER-SELECTED ALERTING SIGNALS IN TELECOMMUNICATIONS DEVICES							
00-4037	United States	9/ 847,256	5/2/2001			Pending	
BBNT Solutions LLC							
SYSTEM AND METHOD FOR MAXIMUM BENEFIT ROUTING							
00-4045	United States	9/ 928,133	8/10/2001			Pending	
BBNT Solutions LLC							
METHOD AND APPARATUS FOR PROVIDING ADAPTIVE SELF-SYNCHRONIZED DYNAMIC ADDRESS TRANSLATION AS AN INTRUSION DETECTION SENSOR							
00-4046	United States	9/ 927,671	8/10/2001			Pending	
BBNT Solutions LLC							
METHOD AND APPARATUS FOR PROVIDING ADAPTIVE SELF-SYNCHRONIZED DYNAMIC ADDRESS TRANSLATION (aka IP Chameleon)							
00-4047	United States	9/ 834,355	4/13/2001	6,363,071	3/26/2002	Issued	
BBNT Solutions LLC							
HARDWARE ADDRESS ADAPTATION							
00-4049	United States	9/ 927,979	8/10/2001			Pending	
BBNT Solutions LLC							
SLIDING SCALE ADAPTIVE SELF-SYNCHRONIZED DYNAMIC ADDRESS TRANSLATION (aka PER-PACKET DYNAT)							
00-4058	United States	9/ 955,830	9/19/2001			Pending	
BBNT Solutions LLC							
METHOD AND APPARATUS FOR SEQUENCE NUMBER CHECKING							

Schedule A

Verizon Docket ----- Record Owner	Country -----	Ser.No.App.No. -----	App.Date -----	Pat No. -----	GrantDate -----	Sub Stat. -----	Schedule A contd. -----
00-4064 BNT Solutions LLC	United States	9/ 845,486	4/30/2001			Pending	
SYSTEMS AND METHODS FOR PROVIDING AUDIO INFORMATION TO SERVICE AGENTS							
00-4070 BNT Solutions LLC	United States	9/ 963,702	9/26/2001			Under Appeal	
SYSTEMS AND METHODS FOR IDENTIFYING AND MAPPING CONDUIT LOCATIONS							
01-4004A BNT Solutions LLC	United States	10 90,210	3/4/2002			Pending	
APPARATUS AND METHOD FOR ANALYZING ROUTING OF CALLS IN AN AUTOMATED RESPONSE SYSTEM							
01-4004B BNT Solutions LLC	United States	10 90,205	3/4/2002			Pending	
APPARATUS AND METHOD FOR QUANTIFYING AN AUTOMATION BENEFIT OF AN AUTOMATED RESPONSE SYSTEM							
01-4004C BNT Solutions LLC	United States	10 90,579	3/4/2002			Pending	
APPARATUS AND METHOD FOR VISUALLY REPRESENTING BEHAVIOR OF A USER OF AN AUTOMATED RESPONSE SYSTEM							
01-4004D BNT Solutions LLC	United States	10 90,546	3/4/2002			Pending	
APPARATUS AND METHOD FOR VISUALLY REPRESENTING EVENTS IN CALLS HANDLED BY AN AUTOMATED RESPONSE SYSTEM							
01-4004E BNT Solutions LLC	United States	10 90,369	3/4/2002			Pending	
APPARATUS AND METHOD FOR ANALYZING AN AUTOMATED RESPONSE SYSTEM							
01-4005 BNT Solutions LLC	United States	10 90,264	3/4/2002			Pending	
SYSTEM AND METHOD FOR OBSERVING CALLS TO A CALL CENTER							

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Verizon Docket	Country	Ser.No.App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner							
01-4006	United States	10 90,395	3/4/2002			Pending	
BBNT Solutions LLC							
APPARATUS AND METHOD FOR LOGGING EVENTS THAT OCCUR WHEN INTERACTING WITH AN AUTOMATED CALL CENTER SYSTEM							
01-4007	United States	10 90,234	3/4/2002			Pending	
BBNT Solutions LLC							
APPARATUS AND METHOD FOR MONITORING PERFORMANCE OF AN AUTOMATED RESPONSE SYSTEM							
01-4008	United States	10 90,522	3/4/2002			Pending	
BBNT Solutions LLC							
SYSTEM AND METHOD FOR ASSESSING A CALL CENTER							
01-4010	United States	10 90,524	3/4/2002			Pending	
BBNT Solutions LLC							
SYSTEM AND METHOD FOR ANNOTATING RECORDED INFORMATION FROM CONTACTS TO CONTACT CENTER							
01-4013	United States	10 279,336	10/24/2002			Pending	
BBNT Solutions LLC							
UNSUPERVISED TRAINING IN NATURAL LANGUAGE CALL ROUTING							
01-4025	United States	10 184,566	6/28/2002			Pending	
BBNT Solutions LLC							
SYSTEMS AND METHODS FOR REDUCING NOISE IN ADSL TRANSMISSIONS							
01-4028	United States	10 103,424	3/21/2002			Pending	
BBNT Solutions LLC							
METHOD AND APPARATUS FOR ANONYMOUS IP DATAGRAM EXCHANGE USING DYNAMIC NETWORK ADDRESS TRANSLATION							
01-4037	United States	10 196,619	7/16/2002			Pending	
BBNT Solutions LLC							
DETERMINING SERVICE COVERAGE FOR METROPOLITAN WIRELESS NETWORKS							

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Verizon Docket	Country	Ser.No.App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner							
01-4057	United States	10 166,547	6/10/2002			Pending	
BENT Solutions LLC							
PACKET-PARALLEL HIGH PERFORMANCE CRYPTOGRAPHY SYSTEMS AND METHODS							
01-4061	United States	10 229,712	8/28/2002			Published	
BENT Solutions LLC							
METHOD AND PROGRAM FOR INHIBITING ATTACK UPON A COMPUTER							
01-4065	United States	10 603,131	6/24/2003			Pending	
BENT Solutions LLC							
SYSTEM AND METHOD FOR EVALUATING ACCURACY OF AN AUTOMATIC LOCATION IDENTIFICATION SYSTEM							
01-4066	United States	10 32,202	12/21/2001			Pending	
BENT Solutions LLC							
METHOD FOR PROVIDING LOCATION INFORMATION OF A WIRELESS COMMUNICATION DEVICE							
01-4067	United States	10 32,355	12/21/2001			Pending	
BENT Solutions LLC							
METHOD FOR PROVIDING A CURRENT LOCATION OF A WIRELESS COMMUNICATION DEVICE							
01-4081	United States	10 444,336	5/23/2003			Pending	
BENT Solutions LLC							
METHOD FOR LOCALIZING THE POSITION OF A WIRELESS DEVICE							
01-4084	United States	10 341,734	1/14/2003			Pending	
BENT Solutions LLC							
SYSTEMS AND METHODS FOR DETECTING AND PREVENTING THE SPREAD OF E-MAIL VIRUSES (aka COMPUTER VIRUS EXTINGUISHER)							
02-4002	United States	10 138,273	5/3/2002			Pending	
BENT Solutions LLC							
A METHOD AND SYSTEM FOR MOBILE LOCATION DETECTION USING HANDOFF INFORMATION							

Schedule A

Verizon Docket	Country	Ser. No.	App. No.	App. Date	Pat. No.	Grant Date	Sub Stat.	Schedule A contd.
Record Owner								
02-4015	United States	10	392,492	3/19/2003			Pending	
BBNT Solutions LLC								
METHOD AND APPARATUS FOR ROUTING DATA TRAFFIC IN A CRYPTOGRAPHICALLY-PROTECTED NETWORK								
02-4016	United States	10	391,582	3/19/2003			Pending	
BBNT Solutions LLC								
METHOD AND APPARATUS FOR CONTROLLING THE FLOW OF DATA ACROSS A NETWORK INTERFACE								
02-4018	United States	10	685,585	10/16/2003			Pending	
BBNT Solutions LLC								
SYSTEMS AND METHODS FOR CLASSIFYING AUDIO INTO BROAD PHONEME CLASSES (aka PHONE DECODER)								
02-4022	United States	10	611,106	7/2/2003			Published	
BBNT Solutions LLC								
SYSTEMS AND METHODS FOR PROVIDING ACOUSTIC CLASSIFICATION								
02-4036	United States	10	610,534	7/2/2003			Published	
BBNT Solutions LLC								
SYSTEMS AND METHODS FOR FACILITATING PLAYBACK OF MEDIA								
02-4038	United States	10	610,684	7/2/2003			Published	
BBNT Solutions LLC								
SYSTEMS AND METHODS FOR AIDING HUMAN TRANSLATION (aka TRANSLATORS' AIDE)								
02-4062	United States	10	308,683	12/3/2002			Pending	
BBNT Solutions LLC								
SYSTEMS AND METHODS FOR DETECTING NETWORK INTRUSIONS								
02-4077	United States	10	454,962	6/5/2003			Pending	
BBNT Solutions LLC								
ESTIMATION OF SPEECH SPECTRAL PARAMETERS IN THE PRESENCE OF NOISE (aka NOISE ROBUST VOCODER)								

Schedule A

Verizon Docket -----	Country -----	Ser.No.App.No. -----	App.Date -----	Pat No. -----	GrantDate -----	Sub Stat. -----	Schedule A contd. -----
Record Owner -----							
02-4111 BNT Solutions LLC	United States	10 663,400	9/16/2003			Foreign Filing OK'ed	
EMERGENCY SERVICES FOR WIRELESS INTERNET ACCESS NETWORKS							
02-4122 BNT Solutions LLC	United States	10 714,101	11/14/2003			Pending	
MEANS OF MITIGATING DENIAL OF SERVICE ATTACKS ON IP FRAGMENTATION IN HIGH PERFORMANCE IPSEC GATEWAYS							
03-4002 BNT Solutions LLC	United States	10 446,309	5/28/2003			Pending	
SCHEMES FOR DETERMINING WHETHER ALL OF THE FRAGMENTS OF A DATAGRAM ARE RECEIVED							
03-4022 BNT Solutions LLC	United States	10 793,606	3/4/2004			Pending	
METHOD AND APPARATUS FOR INFORMATION DISSEMINATION							
03-4024 PRO 1 BNT Solutions LLC	United States	60/463,276	4/16/2003			Foreign Filing OK'ed	
SYSTEMS AND METHODS FOR NETWORK ATTACK DETECTION AND PREVENTION THROUGH REDIRECTION							
03-4025 PRO 1 BNT Solutions LLC	United States	60/463,389	4/16/2003			Pending	
A METHOD TO THWART THE SPREAD OF MALICIOUS COMPUTER WORMS USING SOURCE-TRAFFIC FREQUENCY RESPONSE							
03-4026 BNT Solutions LLC	United States	10 not assigned	3/18/2004			Pending	
METHODS AND SYSTEMS FOR TRACKING FILE ROUTING ON A NETWORK (aka TRACKING MALICIOUS WORM SPREAD USING INTER-LINK BAND-LIMITED COHERENCE)							
03-4026 PRO 1 BNT Solutions LLC	United States	60/463,274	4/16/2003			Pending	
TRACKING MALICIOUS WORM SPREAD ON A COMPUTER NETWORK USING INTER-LINK BAND-LIMITED COHERENCE							

Schedule A

Verizon Docket	Country	Ser.No.App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner							
03-4027	United States BBNT Solutions LLC	10 not assigned	3/18/2004			Pending	
SYSTEMS AND APPARATUS FOR FOCUSING SEARCH RESULTS ON THE SEMANTIC WEB							
03-4027	United States BBNT Solutions LLC	60/465,925	4/28/2003			Foreign Filing OK'ed	
METHOD AND APPARATUS FOR FOCUSING SEARCH RESULTS ON THE SEMANTIC WEB							
03-4029	United States BBNT Solutions LLC	not assigned	3/10/2004			Pending	
AUTHENTICATION IN A QUANTUM CRYPTOGRAPHIC NETWORK							
03-4030	United States BBNT Solutions LLC	60/473,681	5/28/2003			Foreign Filing OK'ed	
METHOD FOR CLASSIFYING PACKETS TO THEIR SECURITY ASSOCIATION IN A HIGH-SPEED SECURITY GATEWAY							
03-4031	United States BBNT Solutions LLC	60/473,682	5/28/2003			Foreign Filing OK'ed	
METHOD AND APPARATUS FOR EFFICIENT BUFFERING AND METERING OF HIGH-SPEED FLOWS							
03-4034	United States BBNT Solutions LLC	10 780,008	2/17/2004			Pending	
CONFIGURABLE PATCH PANEL SYSTEM							
03-4040	United States BBNT Solutions LLC					Invention Disclosure	
MEDIUM ACCESS CONTROL WITH KEY AGREEMENT							
03-4041	United States BBNT Solutions LLC	not assigned	3/19/2004			Pending	
SYSTEMS AND METHODS FOR IMPROVED MEDIUM ACCESS CONTROL							

Schedule A

Verizon Docket ----- Record Owner	Country -----	Ser.No.App.No. -----	App.Date -----	Pat No. -----	GrantDate -----	Sub Stat. -----	Schedule A contd. -----
03-4042 BENT Solutions LLC	United States	not assigned	3/17/2004			Pending	
PACKET HEADER COMPRESSION FOR LOSSY CHANNELS							
03-4044 BENT Solutions LLC	United States	10 779,948	2/17/2004			Pending	
TIME DIVISION MULTIPLE ACCESS FOR NETWORK NODES WITH MULTIPLE RECEIVERS							
03-4045 BENT Solutions LLC	United States					Invention Disclosure	
HYBRID LINK LAYER							
03-4046 PRO 1 BENT Solutions LLC	United States	not assigned	3/19/2004			Pending	
SYSTEM AND METHOD FOR CRYPTOGRAPHIC SYNCHRONIZATION							
03-4048 PRO 1 BENT Solutions LLC	United States	60/499,506	9/2/2003			Foreign Filing OK'ed	
SELF ORGANIZING SPEECH RECOGNIZER							
03-4049 BENT Solutions LLC	United States	not assigned	3/16/2004			Pending	
DYNAMIC BEAMFORMING FOR AD HOC NETWORKS							
03-4054 BENT Solutions LLC	United States	not assigned	3/19/2004			Pending	
MULTINODE ARRANGEMENT (aka METHODS FOR JOINT FIBER-RF NETWORK NODES)							
03-4056 BENT Solutions LLC	United States	not assigned	3/18/2004			Pending	
WIRELESS FALLBACK FOR SUBSCRIBERS OF WIRED NETWORKS							
03-4057 PRO 1 BENT Solutions LLC	United States	not assigned	3/25/04			Pending	
SYSTEM AND METHOD FOR CRYPTOGRAPHIC INTEGRITY							
03-4063 BENT Solutions LLC	United States					Invention Disclosure	
MECHANISM FOR ENERGY CONSERVATION IN SENSOR NETWORKS							

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Verizon Docket	Country	Ser.No.App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner							
03-4065 PRO 1	United States	not assigned	3/24/2004			Pending	
BENT Solutions LLC							
USING BLUETOOTH-ENABLED CELLPHONES FOR ACCESS CONTROL							
03-4066 PRO 1	United States	not assigned	3/24/2004			Pending	
BENT Solutions LLC							
KERNAL-BASED COMPUTER IMMUNOLOGY WITH BLOOM FILTERS							
04-4001	United States					Invention Disclosure	
BENT Solutions LLC							
METHOD AND SYSTEM FOR DETECTING LINKED INTERACTIVE COMPUTER NETWORK CONNECTIONS USING STATE-SPACE CORRELATION							
04-4002	United States					Invention Disclosure	
BENT Solutions LLC							
METHOD AND SYSTEM FOR INTEGRATED COMPUTER NETWORK ATTACK ATTRIBUTION (aka INTEGRATED ARCHITECTURE)							
04-4003	United States					Invention Disclosure	
BENT Solutions LLC							
METHOD AND SYSTEM FOR AGGREGATING ALGORITHMS FOR DETECTING LINKED INTERACTIVE COMPUTER NETWORK CONNECTIONS (aka MASTER FUNCTION)							
04-4004 PRO 1	United States	not assigned	3/24/2004			Pending	
BENT Solutions LLC							
NO-SIGHT ROUTING FOR AD-HOC NETWORKS							
04-4005 PRO 1	United States	not assigned	3/24/2004			Pending	
BENT Solutions LLC							
VARIABLE TRANSLUCENCY NO-SIGHT ROUTING FOR AD-HOC NETWORKS							
04-4006 PRO 1	United States	not assigned	3/24/2004			Pending	
BENT Solutions LLC							
PRIORITY QUEUES WITH RED							

Schedule A

Verizon Docket	Country	Ser.No.App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner							
04-4007 PRO 1 BBNT Solutions LLC	United States	not assigned	3/24/2004			Pending	
CELLPHONE-MEDIATED MICROPAYMENTS FOR INTERNET COMMERCE							
04-4008 PRO 1 BBNT Solutions LLC	United States	not assigned	3/24/2004			Pending	
R-FIM (RADIO PROTOCOL INDEPENDENT MULTICAST) SM (SPARSE MODE) AND DM (DENSE MODE)							
04-4012 PRO 1 BBNT Solutions LLC	United States	not assigned	3/24/2004			Pending	
SIMPLE MANAGEMENT FOR SMALL NETWORKS							
04-4013 PRO 1 BBNT Solutions LLC	United States	not assigned	3/24/2004			Pending	
SETTING UP A PRIVATE NETWORK							
97-429 BBNT Solutions LLC	United States	8/ 705,742	8/30/1996	5,865,626	2/2/1999	Issued	
MULTI-DIALECT SPEECH RECOGNITION METHOD AND APPARATUS							
99-424 BBNT Solutions LLC	United States	9/ 718,154	11/21/2000	6,574,268	6/3/2003	Issued	
ASYMMETRIC ORTHOGONAL CODES FOR OPTICAL COMMUNICATIONS							
99-454 BBNT Solutions LLC	United States	9/ 612,133	7/7/2000			Pending	
SYSTEMS AND METHODS FOR ENCRYPTION KEY ARCHIVAL AND AUDITING IN A QUANTUM-CRYPTOGRAPHIC COMMUNICATIONS NETWORK							
99-459 BBNT Solutions LLC	United States	9/ 572,682	5/16/2000			Pending	
SYSTEMS AND METHODS FOR CONTROLLING APPLIANCES VIA A NETWORK							

Schedule A

Verizon Docket ----- Record Owner	Country -----	Ser. No.	App. No. -----	App. Date -----	Pat. No. -----	Grant Date -----	Sub Stat. -----	Schedule A contd. -----
99-464 BBNT Solutions LLC	United States	9/	591,761	6/12/2000	6,671,804	12/30/2003	Issued	
METHOD AND APPARATUS FOR SUPPORTING AUTHORITIES IN PUBLIC KEY INFRASTRUCTURE (added to schedule B)								
99-466 BBNT Solutions LLC	United States	9/	634,416	8/8/2000			Pending	
METHOD AND APPARATUS FOR THE GENERATION AND DISTRIBUTION OF RANDOM BITS								
99-469 BBNT Solutions LLC	United States	9/	656,264	9/6/2000			Pending	
SYSTEMS AND METHODS FOR PROVIDING AUTOMATED DIRECTORY ASSISTANCE								
99-470 BBNT Solutions LLC	United States	9/	655,325	9/5/2000			Pending	
SYSTEMS AND METHODS FOR USING ONE-DIMENSIONAL GAUSSIAN DISTRIBUTIONS TO MODEL SPEECH								
99-422 BBNT Solutions LLC & Genuity, Inc.	United States	9/	594,100	6/14/2000			Pending	
METHOD AND APPARATUS FOR DYNAMIC MAPPING (aka DYNAT)								
97-453 Genuity Inc.	United States	9/	26,269	2/19/1998	6,160,819	12/12/2000	Issued	
METHOD AND APPARATUS FOR MULTIPLEXING BYTES OVER PARALLEL COMMUNICATION LINKS USING DATA SLICES								
97-459 Christian Rovsing A/S af 1984	United States	7/	94,453	9/9/1987	4,866,711	9/12/1989	Issued	
METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD								
00-3007 BBNT Solutions LLC & Genuity, Inc. & Troen-Krasnow	United States	9/	643,974	8/22/2000	6,442,250	8/27/2002	Issued	
SYSTEMS AND METHODS FOR TRANSMITTING MESSAGES TO PREDEFINED GROUPS (aka IPT MESSENGERBOT)								

Schedule A

Verizon Docket	Country	Ser.No./App.No.	App.Date	Pat No.	GrantDate	Sub Stat.	Schedule A contd.
Record Owner							
97-450 AU	Australia	56,924/98	12/9/1997	724,096	1/11/2001	Issued	
BBN Corporation							
DISTRIBUTED COMPUTING SYSTEM AND METHOD FOR DISTRIBUTING USER REQUESTS TO REPLICATED NETWORK SERVERS (aka HOPSCOTCH)							
97-452 CN	Canada	2,286,994	10/20/1999			Pending	
GTE Internetworking Incorporated							
METHOD AND APPARATUS FOR STRIPPING PACKETS OVER PARALLEL COMMUNICATION LINKS							
97-453 CN	Canada	2,333,155	2/18/1999			Pending	
GTE Internetworking Incorporated							
METHOD AND APPARATUS FOR MULTIPLEXING BYTES OVER PARALLEL COMMUNICATION LINKS USING DATA SLICES							
97-459 DK	Denmark	5750/87	3/3/1987	170,412	8/21/1995	Issued	
Christian Rovsing A/S af 1984							
METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD							
97-459 FR	France	87,902,068.3	3/3/1987	260,308	12/2/1992	Issued	
BBN Corporation							
METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD							
97-459 GB	Great Britain	87,902,068.3	3/3/1987	260,308	12/2/1992	Issued	
BBN Corporation							
METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD							
97-459 GW	West Germany	87,902,068.3	3/3/1987	260,308	12/2/1992	Issued	
BBN Corporation							
METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD							
97-459 IT	Italy	87,902,068.3	3/3/1987	260,308	12/2/1992	Issued	
Bolt, Beranek and Newman Inc.							
METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD							
97-450 JA	Japan	10-526,886	12/9/1997			Published	
GTE Internetworking Incorporated							
DISTRIBUTED COMPUTING SYSTEM AND METHOD FOR DISTRIBUTING USER REQUESTS TO REPLICATED NETWORK SERVERS (aka HOPSCOTCH)							

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Intellectual Property Law Group

Verizon Corporate Services Group Inc

600 Hidden Ridge Drive
Irving, Texas 75038
MailCode HQE03H14
Phone: 972/718-4800
Fax: 972/718-3946
E mail:
christian.andersen@verizon.com

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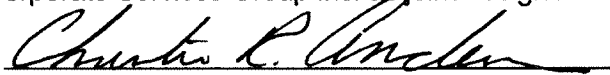
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