

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Verizon Laboratories Inc.</td> <td>06/28/2000</td> </tr> </tbody> </table>		Name	Execution Date	Verizon Laboratories Inc.	06/28/2000								
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<table border="1"> <tr> <td>Name:</td> <td>Verizon Corporate Services Group Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1095 Avenue of the Americas</td> </tr> <tr> <td>City:</td> <td>New York</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10036</td> </tr> </table>		Name:	Verizon Corporate Services Group Inc.	Street Address:	1095 Avenue of the Americas	City:	New York	State/Country:	NEW YORK	Postal Code:	10036		
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Street Address:	1095 Avenue of the Americas												
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<table border="1"> <tr> <td>Name:</td> <td>Genuity Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3 Van de Graaff Drive</td> </tr> <tr> <td>City:</td> <td>Burlington</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01803</td> </tr> </table>		Name:	Genuity Inc.	Street Address:	3 Van de Graaff Drive	City:	Burlington	State/Country:	MASSACHUSETTS	Postal Code:	01803		
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PROPERTY NUMBERS Total: 5													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>6931001</td> </tr> <tr> <td>Application Number:</td> <td>12174963</td> </tr> <tr> <td>Patent Number:</td> <td>6874032</td> </tr> <tr> <td>Patent Number:</td> <td>7039633</td> </tr> <tr> <td>Patent Number:</td> <td>6965890</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	6931001	Application Number:	12174963	Patent Number:	6874032	Patent Number:	7039633	Patent Number:	6965890
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Patent Number:	6965890												
CORRESPONDENCE DATA													
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Email:	kathleen.mcinnish@level3.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													

OP \$200.00 6931001

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ATTORNEY DOCKET NUMBER: DOC38

NAME OF SUBMITTER: Jonathan C. Siekmann

Total Attachments: 6
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ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS is effective as of June 28, 2000 between Verizon Laboratories Inc. (by change of name from GTE Laboratories Incorporated), a corporation organized and existing under the laws of Delaware and having a principal business address of 40 Sylvan Road, Waltham, Massachusetts 02451 (hereinafter "ASSIGNOR"), and Genuity Inc. (by change of name from GTE Internetworking Incorporated), a corporation organized and existing under the laws of Delaware and having a principal business address of 3 Van de Graaff Drive, Burlington, Massachusetts 01803, and Verizon Corporate Services Group Inc. (by change of name from GTE Service Corporation), 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 (hereinafter jointly "ASSIGNEE").

WHEREAS, ASSIGNOR is the owner of all right, 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 Agreement 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.

VERIZON LABORATORIES INC.
(By change of name from
GTE Laboratories Incorporated)

By: Christian R. Andersen

Name: Christian R. Andersen

Title: Assistant Secretary

Date: December 9, 2002

SCHEDULE A

Country	Patent or Application Number	Title
Canada	Appln. 2,250,278	PERFORMANCE MONITORING OF AN ATM SWITCH
European Community (EPC)	Appln. 99,924,354.6	METHOD AND APPARATUS FOR DIGITAL SUBSCRIBER LOOP QUALIFICATION
European Community (EPC)	Appln. 97,917,052.9	PERFORMANCE MONITORING OF AN ATM SWITCH
Japan	Appln. 09- 535,419	PERFORMANCE MONITORING OF AN ATM SWITCH
Patent Cooperation Treaty	Appln. PCT/US99/1 1052	METHOD AND APPARATUS FOR DIGITAL SUBSCRIBER LOOP QUALIFICATION
Patent Cooperation Treaty	Appln. PCT/US99/1 6298	METHOD AND APPARATUS FOR ESTIMATING SOURCE-DESTINATION TRAFFIC IN A PACKET-SWITCHED COMMUNICATIONS NETWORK
Patent Cooperation Treaty	Appln. PCT/US99/1 4623	METHOD AND SYSTEM FOR BURST CONGESTION CONTROL IN AN ATM NETWORK
Patent Cooperation Treaty	Appln. PCT/US99/1 9554	METHOD AND SYSTEM FOR BURST CONGESTION CONTROL IN AN INTERNET PROTOCOL NETWORK
Patent Cooperation Treaty	Appln. PCT/US99/1 2416	METHOD AND SYSTEM FOR MONITORING BROADBAND QUALITY OF SERVICES
Patent Cooperation Treaty	Appln. PCT/US99/2 4817	MULTI-LINE APPEARANCE TELEPHONY VIA A COMPUTER NETWORK

<u>Country</u>	<u>Patent or Application Number</u>	<u>Title</u>
Patent Cooperation Treaty	Appln. PCT/US99/2 4820	MULTI-LINE TELEPHONY VIA NETWORK GATEWAYS
Patent Cooperation Treaty	Appln. PCT/US99/2 4821	SPEAKER IDENTIFIER FOR MULTI-PARTY CONFERENCE
United States	Appln. 524,112	A PORTAL SWITCH FOR ELECTRONIC COMMERCE
United States	Appln. not assigned	A TECHNIQUE FOR THE ESTIMATION OF THE INJECTION POINT OF FOREIGN SIGNALS IN A NETWORK
United States	Appln. 250,090	ALL-TO-ALL COMMUNICATION SCHEME FOR MULTISTAGE INTERCONNECTION NETWORKS
United States	Appln. 330,427	BROADBAND ARCHITECTURE USING EXISTING TWISTED PAIR
United States	5,268,931	DATA COMMUNICATION SYSTEM
United States	4,919,545	DISTRIBUTED SECURITY PROCEDURE FOR INTELLIGENT NETWORKS
United States	Appln. not assigned	FLEXIBLE WEB INTEGRATION WITH MQSeries WORKFLOW
United States	Appln. 251,676	GENERTIC APPROACH TO GENERATING PERMUTATIONS FOR ALL-TO-ALL PERSONALIZED EXCHANGE FOR SELF-ROUTING MULTISTAGE INTERCONNECTION NETWORKS
United States	Appln. 539,972	GRAPHICAL USER INTERFACE AND METHOD FOR CUSTOMER CENTRIC NETWORK MANAGEMENT
United States	Appln. 431,292	HYPERVIDEO: INFORMATION RETRIEVAL USING MULTIMEDIA

Country	Patent or Application Number	Title
United States	Appln. 431,293	HYPERVIDEO: INFORMATION RETRIEVAL USING REALTIME BUFFERS
United States	Appln. not assigned	METHOD AND APPARATUS FOR CALCULATING THE NUMBER OF VERY HIGH SPEED DIGITAL SUBSCRIBER LINE (VDSL) NODES
United States	Appln. 086,386	METHOD AND APPARATUS FOR DIGITAL SUBSCRIBER LOOP QUALIFICATION
United States	Appln. 124,196	METHOD AND APPARATUS FOR ESTIMATING SOURCE-DESTINATION TRAFFIC IN A PACKET-SWITCHED COMMUNICATIONS NETWORK
United States	Appln. not assigned	METHOD AND APPARATUS FOR REMOTE IDENTIFICATION OF TRANSMISSION CHANNEL INTERFERENCE
United States	Appln. 232,069	METHOD AND SYSTEM FOR BURST CONGESTION CONTROL IN AN ATM NETWORK
United States	Appln. 141,941	METHOD AND SYSTEM FOR BURST CONGESTION CONTROL IN AN INTERNET PROTOCOL NETWORK
United States	Appln. 92,605	METHOD AND SYSTEM FOR MONITORING BROADBAND QUALITY OF SERVICES
United States	Appln. 460,455	METHODS AND APPARATUS FOR INTEGRATING SERVICES FOR ACCESSING THE WORLD WIDE WEB
United States	Appln. 177,700	MULTI-LINE APPEARANCE TELEPHONY VIA A COMPUTER NETWORK
United States	Appln. 177,712	MULTI-LINE TELEPHONY VIA NETWORK GATEWAYS
United States	Appln. 400,004	OPTIMAL ALL-TO-ALL PERSONALIZED EXCHANGE IN OPTICAL MULTISTAGE NETWORKS
United States	Appln. 364,782	PAGE AGGREGATION FOR WEB SITES

Country	Patent or Application Number	Title
United States	Appln. not assigned	PAGE AGGREGATION FOR WEB SITES
United States	Appln. not assigned	SECURE BUY
United States	Appln. not assigned	SECURE MEMO
United States	Appln. 178,271	SPEAKER IDENTIFIER FOR MULTI-PARTY CONFERENCE
United States	Appln. 560,006	SYNCHRONIZED SPATIAL-TEMPORAL BROWSING OF IMAGES FOR SELECTION ON INDEXED TEMPORAL MULTIMEDIA TITLES
United States	Appln. 796,156	SYSTEM FOR INTERCONNECTING PACKET SWITCHED AND CIRCUIT SWITCHED VOICE COMMUNICATIONS
United States	6,049,831	SYSTEM FOR TRANSMITTING NETWORK-RELATED INFORMATION WHERE REQUESTED NETWORK INFORMATION IS SEPARATELY TRANSMITTED AS DEFINITIONS AND DISPLAY INFORMATION
United States	Appln. 820,869	SYSTEMS AND METHODS FOR INTERNETWORKING DATA NETWORKS HAVING MOBILITY MANAGEMENT FUNCTIONS
United States	Appln. 438,914	SYSTEMS AND METHODS FOR TRANSPORTING ASSOCIATED DATA SIGNALS OVER A NETWORK
United States	Appln. 282,764	TARGETED BANNER ADVERTISEMENTS

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