

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Tab settings → → → ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Genuity Solutions Inc.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: Genuity Inc.

Internal Address: \_\_\_\_\_

Street Address: 3 Van de Graaff DriveCity: Burlington State: MA ZIP: 01803Additional name(s) & address(es) attached? ☒ Yes ☐ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: June 28, 2000

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

## A. Patent Application No.(s)

09/261,971

## B. Patent No.(s)

5,682,328	5,734,649	4,700,347	5,301,337
5,319,735	4,943,941	5,319,781	5,848,403

Additional numbers attached? ☒ Yes ☐ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Leonard Charles SuchytaInternal Address: c/o Christian AndersenVerizon Corporate Services Group Inc.Street Address: 600 Hidden Ridge, HOE03H01City: Irving, State: TX ZIP: 750386. Total number of applications and patents involved: 117. Total fee (37 CFR 3.41) ..... \$ 440.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

07-2347

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

James K. Weixel, Reg. No. 44,399

Name of Person Signing

Signature

9/22/2003

Date

Total number of pages including cover sheet, attachments, and document: 9Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

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PATENT  
REEL: 014022 FRAME: 0652

FORM PTO-1595

RECORDATION FORM COVER SHEET U.S.

DEPARTMENT OF COMMERCE

(Rev. 6-93)

## PATENTS ONLY

Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

## 1. Name of conveying party(ies):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional name(s) of conveying party(ies) attached?

Yes ☐No ☐

## 2. Name and address of receiving party(ies):

Name: GTE Service Corporation

Internal Address: \_\_\_\_\_

Street Address: 600 Hidden RidgeCity: Irving, State: TX ZIP: 75038

Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) &amp; address(es) attached?

Yes ☐No ☒

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

## A. Patent Application No.(s)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## B. Patent No.(s)

5,041,971  
5,155,727  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional numbers attached?

Yes ☐No ☒

## ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS is effective as of June 28, 2000 between Genuity Solutions Inc. (by change of name from BBN Corporation), a corporation organized and existing under the laws of Massachusetts and having a principal business address of 3 Van de Graaff Drive, Massachusetts 01803 (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 GTE Service Corporation, a corporation organized and existing under the laws of New York, having a principal business address of 1255 Corporate Drive, Irving, Texas 75038 (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.

GENUITY SOLUTIONS INC.

By: 

Name: Ira H. Parker

Title: Sr. Vice President,  
General Counsel & Clerk

Date: September 6, 2000

SCHEDULE A

<u>Country</u>	<u>Patent or Application Number</u>	<u>Title</u>
Australia	586,664	DIGITAL PHASE ADJUSTMENT
Australia	Appln. 56,924/98	DISTRIBUTED COMPUTING SYSTEM AND METHOD FOR DISTRIBUTING USER REQUESTS TO REPLICATED NETWORK SERVERS
Australia	Appln. 46,701/97	GENETIC ALGORITHM SCHEDULING SYSTEM AND METHOD
Canada	1,256,158	DIGITAL PHASE ADJUSTMENT
Canada	Appln. 2,267,789	GENETIC ALGORITHM SCHEDULING SYSTEM AND METHOD
Denmark	170,412	METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD
European Community (EPC)	Appln. 97,945,522.7	GENETIC ALGORITHM SCHEDULING SYSTEM AND METHOD
European Community (EPC)	260,308	METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD
France	8,601,923	DIGITAL PHASE ADJUSTMENT
France	371,772	MEMORY ACCESSING SWITCH NETWORK
France	260,308	METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD
Germany	3,604,277	DIGITAL PHASE ADJUSTMENT

<u>Country</u>	<u>Patent or Application Number</u>	<u>Title</u>
Germany	371,772	MEMORY ACCESSING SWITCH NETWORK
Germany	260,308	METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD
Great Britain	2,171,577	DIGITAL PHASE ADJUSTMENT
Great Britain	371,772	MEMORY ACCESSING SWITCH NETWORK
Great Britain	260,308	METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD
Italy	260,308	METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD
Japan	Appln. 09- 009,217	DATA PACKET ROUTER
Japan	Appln. 03- 072,963	DISTRIBUTED RESOURCE MANAGEMENT SYSTEM USING HASHING OPERATION TO DIRECT RESOURCE REQUEST FROM DIFFERENT PROCESSORS TO THE PROCESSOR CONTROLLING THEREQUESTED RESOURCE
Japan	Appln. 10- 516,944	IMPROVED SYSTEM AND METHOD FOR GENETIC ALGORITHM SCHEDULING SYSTEM
Japan	2,781,623	MEMORY ACCESSING SWITCH NETWORK
United States	Appln. not assigned	A HIGHLY SECURE COMMUNICATIONS NETWORK EMPLOYING QUANTUM CRYPTOGRAPHY BETWEEN TRUSTED ROUTERS
United States	Appln. 574,140	A METHOD AND SYSTEM FOR INDEPENDENT PER-PARTY VOLUME CONTROL FOR A PACKETIZED TELEPHONE

<u>Country</u>	<u>Patent or Application Number</u>	<u>Title</u>
United States	Appln. not assigned	A METHOD FOR DETECTING AND DEFEATING FORGED OR SPURIOUS INTERNET TRAFFIC
United States	Appln. not assigned	A SYSTEM FOR AUDITING KEYS IN A QUANTUM CRYPTOGRAPHIC NETWORK
United States	Appln. not assigned	A SYSTEM FOR THE PRODUCTION AND DISTRIBUTION OF RANDOM BITS
United States	Appln. not assigned	ANONYMOUS TASKING VIA PERSISTENT STORAGE
United States	Appln. not assigned	ARCHITECTURE AND MECHANISM FOR FORWARDING LAYER INTERFACING FOR WIRELESS DATA NETWORKS
United States	5,682,328	CENTRALIZED COMPUTER EVENT DATA LOGGING SYSTEM
United States	Appln. 261,971	DATA COMMUNICATIONS SYSTEM AND HYBRID TIME-CODE MULTIPLEXING METHOD
United States	5,734,649	DATA PACKET ROUTER
United States	Appln. not assigned	DEFEATING TRAFFIC ANALYSIS IN AN AD HOC WIRELESS NETWORK
United States	4,700,347	DIGITAL PHASE ADJUSTMENT
United States	5,301,337	DISTRIBUTED RESOURCE MANAGEMENT SYSTEM USING HASHING OPERATION TO DIRECT RESOURCE REQUEST FROM DIFFERENT PROCESSORS TO THE PROCESSOR CONTROLLING THE REQUESTED RESOURCE
United States	5,319,735	EMBEDDED SIGNALLING
United States	Appln. 60/167,918	FAST ROUTING SYSTEMS AND METHODS
United States	4,943,941	FLOATING POINT PROCESSOR EMPLOYING COUNTER CONTROLLED SHIFTING

<u>Country</u>	<u>Patent or Application Number</u>	<u>Title</u>
United States	5,319,781	GENERATION OF SCHEDULES USING A GENETIC PROCEDURE
United States	5,848,403	IMPROVED SYSTEM AND METHOD FOR GENETIC ALGORITHM SCHEDULING SYSTEM
United States	5,041,971	MEMORY ACCESSING SWITCH NETWORK
United States	Appln. not assigned	METHOD AND APPARATUS FOR DYNAMIC MAPPING
United States	Appln. not assigned	METHOD AND APPARATUS FOR SUPPORTING AUTHORITIES IN PUBLIC KEY INFRASTRUCTURE
United States	5,155,727	METHOD OF COUPLING A DATA TRANSMITTER UNIT TO A SIGNAL LINE AND APPARATUS FOR PERFORMING THE INVENTION
United States	4,866,711	METHOD OF MULTIPLEX/DEMULTIPLEX PROCESSING OF INFORMATION AND EQUIPMENT FOR PERFORMING THE METHOD
United States	Appln. not assigned	METHODS AND SYSTEMS FOR SUPPLYING ENCRYPTION KEYS
United States	Appln. 853,862	MULTI-TENANT UNIT
United States	Appln. not assigned	PROCESS TO ELIMINATE UNWANTED EMAIL MESSAGES & UNSOLICITED PHONE CALLS
United States	Appln. 940,668	QUALITY OF SERVICE MANAGEMENT FOR AGGREGATED FLOWS IN A NETWORK SYSTEM
United States	Appln. not assigned	RADIO RELAY SYSTEMS AND METHODS ON POWER DISTRIBUTION SYSTEM
United States	4,538,139	SIGNALLING APPARATUS
United States	Appln. 584,860	SYSTEM AND METHOD FOR DEPLOYING FIBER OPTIC NETWORKS THROUGH WATER DISTRIBUTION SYSTEMS

<u>Country</u>	<u>Patent or Application Number</u>	<u>Title</u>
United States	Appln. not assigned	SYSTEM AND METHOD FOR IMPROVING THE PERFORMANCE OF RATE-ADAPTIVE NETWORK PROTOCOLS
United States	Appln. 573,603	SYSTEM AND METHOD FOR TURNING A TELEPHONE CONVERSATION INTO A BINDING CONTRACT
United States	Appln. 586,457	SYSTEMS AND METHODS FOR PROVIDING CUSTOMIZABLE GEOLOCATION TRACKING SERVICES
United States	Appln. not assigned	SYSTEMS AND METHODS FOR REDUCING THE OCCURRENCE OF ANNOYING VOICE CALLS
United States	Appln. 60/168,30	SYSTEMS AND METHODS FOR SUPPORTING CERTIFICATION AUTHORITIES IN A PUBLIC KEY INFRASTRUCTURE
United States	Appln. not assigned	USING PREDICTED LINK STATE TO ENABLE MORE RAPID SELECTION OF ROUTES IN A NETWORK
United States	Appln. 940,666	VIRTUAL CIRCUIT MANAGEMENT FOR MULTI-POINT DELIVERY IN A NETWORK SYSTEM

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