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To the Director of the U.S. Patent and Travellian Office. I rea	see record the attached bocuments or the new address(es) below.
Name of conveying party(les):	2. Name and address of receiving party(les)
Yiming Wang (12/15/2006), Lauren B. Adelson (12/20/2006), David J. Buie (12/22/2006), and Colleen Davis (12/15/2006)	Name: Verizon Business Financial Management Corp. Internal Address:
Additional name(s) of conveying party(les) attached? Yes X No	Street Address:
3. Nature of conveyance/Execution Date(s):	
Execution Date(s): in parentheses after inventor name X Assignment Merger Change of Name	22001 Loudoun County Parkway
Security Agreement Joint Research Agreement	City: Ashburn
Government Interest Assignment	State: Virginia
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 20147
Other	Additional name(s) & address(es) Yes X No attached?
A. Patent Application No.(s) This application Additional numbers attach	B. Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Verizon Legal Department Patent Management Group	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: VZ06032	Authorized to be charged by credit card
Street Address: 1515 North Courthouse Road Suite 500	X Authorized to be charged to deposit account Enclosed
Aulinatan	None required (government interest not affecting title
City: Arlington	8. Payment Information
State: VA Zip: 22201 Phone Number: (703) 351-3586	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: (703) 351-3586 Fax Number: (703) 351-3665	b. Deposit Account Number 18-0013
Email Address: michael.wrenn@verizon.com	Authorized User Name Michael B. Stewart
9. Signature:	
/Michael B. Stewart/	December 27, 2006 Date
	Total number of many last vitra acres
Michael B. Stewart - 36,018 Name of Person Signing	sheet, attachments, and documents: 5

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REEL: 018745 FRAME: 0396

ASSIGNMENT

Por good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Vertzon legal entity identified below ("Assigner") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Parent entitled.

SELF-SERVICE CIRCUIT TESTING SYSTEMS AND METHODS

	I've hereby authorize and request the Assigned, its insert here in the passentheses (Application Number	filed the filing
	date and application number of said application when	known.
	which was filed on an	ad assigned Application No.
	and in and to said application, and all divisional, on all other application for Letters Patent which have be countries on any of said improvements or based on a patents which have been or shall be issued in the L applications, and in and to all rights of patenty result and to all rights which may exist under the intent Property to any of the foregoing:	ns or shall be filed in the United States and all foreign aid application; and in and to all original and reismed failed States and foreign countries from any of said
H. agr	representatives, to carry out in good faith the intent concurs all divisional, continuing, substitute, renewal all said improvements; execute all rightful onths, communicate to said Astignee, its successors, assign relating to said improvements and the history there Assignee, its successors, assigns or representatives maintaining proper patent projection for said improve	e of, said Assignee, its successors, assigns and logal
III. con	venant with said Assignee, its successors, assigns a mortgage, license, or other agreement affecting the r others by the undersigned, and that full right to con- undersigned.	nd legal representatives that no assignment, grant, ights and property berein identified has been made to vey the same as herein expressed is possessed by the
IN WI	INESS to my/our agreement to the foregoing, I/we have	executed this Assignment as set forth below:
Verizo: Loudo:	n entity (Assignee): Verizon Business Financial Man na County Parkway, Ashbura, Virginia 20147.	agement Corp., having a place of business at 22001
	NORS:	Date: 12/15/06
Signati	Vindre Ware	Date: 12713/40
Signati	MLS:	Date:
Signati	Lauren B. Adolson	Date:
differen	David J. Bule	L/ 6405
Signati	ure;	Date:
	Colleen Davis	• •

PATENT

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

1. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled SELF-SERVICE CIRCUIT TESTING SYSTEMS AND METHODS Which has been executed by the undersigned concurrently herewith, and in which case I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to , filed insert here in the parentheses (Application Number_ date and application number of said application when known. which was filed on __ and assigned Application No. and in and to said application, and all divisional, continuing, substitute, renewal, reissue, provisional, and all other application for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on said application; and in and to all original and reissned patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing; II. agree that said Assignee may apply for and receive Letters Patent for improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent application on any and all said improvements; execute all rightful onths, assignments, powers of attorney and other papers; communicate to said Assignce, its successors, assigns, and representatives, all facts known to undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors and III. covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the IN WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below: Verizon entity (Assignee): Verizon Business Financial Management Corp., having a place of business at 22001 Loudown County Parkway, Ashburn, Virginia 20147. ASSIGNORS: Signature: Winds Helson Date: 12/20/2006 Signature: Lauren B. Adelson

Date:

Date:

Signature:

Signature:

David J. Buie

Colleen Davis

PATENT

REEL: 018745 FRAME: 0398

Verizon Invention Assignment for Verizon Reference No.: YZ06032 Page 1 of 1

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

SELF-SERVICE CIRCUIT TESTING SYSTEMS AND METHODS

≥ which has been executed by the u	indersigned concurrently herewith, and in which case
I/we hereby authorize and request the Assignce, its	successors, assigns and/or legal representatives, to
insert here in the parentheses (Application Number_	, filed) the filing
date and application number of said application when	knowa.
which was filed on an	ed assigned Application No.
and in and to said application, and all divisional, con all other application for Letters Patent which have bee countries on any of said improvements or based on sa patents which have been or shall be issued in the U applications, and in and to all rights of priority resulti and to all rights which may exist under the Intern Property to any of the foregoing;	n or shall be filed in the United States and all foreign id application; and in and to all original and reissued inited States and foreign countries from any of said ing from the filing of any of said applications; and in
ali said improvements; execute ali rightful caths, a	e of, said Assignee, its successors, assigns and legal and purpose of this Assignment, the undersigned will reissue, and all other patent application on any and assignments, powers of attorney and other papers; and representatives, all facts known to undersigned of, and generally do everything possible which said shall consider desirable for aiding in securing and ments and for vesting title to said improvements and
III. covenant with said Assignee, its successors, assigns as mortgage, license, or other agreement affecting the rigorous others by the undersigned, and that full right to convendersigned.	ghts and property herein identified has been made to
IN WITNESS to my/our agreement to the foregoing, I/we have	executed this Assignment as set forth below:
Verizon entity (Assignee): Verizon Business Financial Mana Loudoun County Parkway, Ashburn, Virginia 20147.	gement Corp., having a place of business at 22001
ASSIGNORS:	
Signature:	Date:
Yiming Wang	
Signature: Lauren B. Adelson	Date:
Signature:	Date: 12/22/2006
David J. Buis	Tan Tan Carl
Signature:	Date:
Colleen Davis	

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ASSIGNMENT

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RECORDED: 12/27/2006