

## 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>STEPHEN S. LIU</td> <td>01/27/2005</td> </tr> <tr> <td>LILY F. CHEN</td> <td>01/27/2005</td> </tr> <tr> <td>DHAVAL V. THAKER</td> <td>02/11/2005</td> </tr> <tr> <td>ANURAG K. MISHRA</td> <td>02/10/2005</td> </tr> <tr> <td>WILLIAM J. MORAN</td> <td>02/11/2005</td> </tr> <tr> <td>BENJAMIN POMALES</td> <td>02/11/2005</td> </tr> </tbody> </table>		Name	Execution Date	STEPHEN S. LIU	01/27/2005	LILY F. CHEN	01/27/2005	DHAVAL V. THAKER	02/11/2005	ANURAG K. MISHRA	02/10/2005	WILLIAM J. MORAN	02/11/2005	BENJAMIN POMALES	02/11/2005
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<table border="1"> <tr> <td>Name:</td> <td>Verizon Laboratories Inc.</td> </tr> <tr> <td>Street Address:</td> <td>117 West Street</td> </tr> <tr> <td>City:</td> <td>Waltham</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02451</td> </tr> </table>		Name:	Verizon Laboratories Inc.	Street Address:	117 West Street	City:	Waltham	State/Country:	MASSACHUSETTS	Postal Code:	02451				
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Application Number:	11224502														
CORRESPONDENCE DATA															
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
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ATTORNEY DOCKET NUMBER:	04-1524														

CH \$40.00 11224502

NAME OF SUBMITTER:

Joseph R. Palmieri

**Total Attachments: 9**

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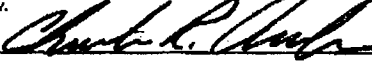
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**Assignment**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 7, 2005 Signature:  (Christian Andersen)

**ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Stephen Shyan-Shiang Liu; Lily F. Chen; Dhaval Vishnuprasad Thaker; Anurag Kumar Mishra; William James Moran; and Benjamin Pomales (hereinafter referred to as Assignors), residing at 23 Brucewood Rd., Acton, Massachusetts 01720; 2440A Second Street, Fort Lee, New Jersey 07024; 8213 Fisherman's Pointe Drive, Temple Terrace, Florida 33637; 10815 Barbados Isle Dr., Tampa, Florida 33647; 1246 Ocean Reef Rd., Wesley Chapel, Florida 33543; and 10680 Grand Riviere Dr., Tampa, Florida 33647, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **SYSTEMS AND METHODS FOR POLICY-BASED INTELLIGENT PROVISIONING OF OPTICAL TRANSPORT BANDWIDTH**, set forth in a Provisional application for Letters Patent of the United States, already filed on December 14, 2004 as U.S. application No. 60/635,836; and

**WHEREAS**, Verizon Laboratories Inc., a Delaware Corporation and Verizon Services Corp., a Delaware Corporation, respectively organized under and pursuant to the laws of Massachusetts and Virginia, respectively having their principal places of business at 40 Sylvan Road, Waltham, Massachusetts 02451; and 1310 North Court House Road, Arlington, Virginia 22201, respectively (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and

to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignees, their successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

All practitioners at Customer Number 32127; Leonard C. Suchyta, Reg. No. 25,707; Joel Wall, Reg. No. 25,648; Adam T. Bernstein, Reg. No. 36,746; and Joseph R. Palmieri, Reg. No. 40,760.

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

Stephen Shyan-Shiang Liu  
Stephen Shyan-Shiang Liu

Date: Jan 27, 2005

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Stephen Shyan-Shiang Liu, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

*Lily F. Chen*  
\_\_\_\_\_  
Lily F. Chen

Date: 1/27/05

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Lily F. Chen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

*Dhaval Vishnuprasad Thaker*  
Dhaval Vishnuprasad Thaker

Date: 02/11/2005

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Dhaval Vishnuprasad Thaker, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public



*Anurag Kumar Mishra*

\_\_\_\_\_  
Anurag Kumar Mishra

Date: 02/10/05

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Anurag Kumar Mishra, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

  
 \_\_\_\_\_  
 William James Moran

Date: February 11, 2005

United States of America )  
 State of \_\_\_\_\_ ) ss.:  
 County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came William James Moran, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
 Notary Public



Benjamin Pomales

Date: 2/11/2005

United States of America )  
 State of \_\_\_\_\_ ) ss.:  
 County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Benjamin Pomales, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
 Notary Public