

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
David Zhi Chen	06/30/2009
RECEIVING PARTY DATA	
Name:	Verizon Patent and Licensing Inc.
Street Address:	One Verizon Way
City:	Basking Ridge
State/Country:	NEW JERSEY
Postal Code:	07920
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12495571
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 2:	9th Floor
Address Line 4:	ARLINGTON, VIRGINIA 22201-2909
ATTORNEY DOCKET NUMBER:	65632-0622
NAME OF SUBMITTER:	Michael B. Stewart
Total Attachments: 2 source=r0641151#page1.tif source=r0640995#page1.tif	

CH \$40.00 12495571

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

David Zhi Chen

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

2. Name and address of receiving party(ies)

Name: Verizon Patent and Licensing Inc.

Internal Address: _____

Street Address: _____

One Verizon Way

City: Basking Ridge

State: New Jersey

Country: United States of America Zip: 07920

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): June 30, 2009

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

12/495,571

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Verizon Legal Department
Patent Management Group

Internal Address: Atty. Dkt.: 20090096

Street Address: 1320 North Courthouse Road
9th Floor

City: Arlington

State: VA Zip: 22201

Phone Number: (703) 351-3586

Fax Number: (703) 351-3665

Email Address: angela.trafton@verizon.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 18-0013

Authorized User Name Michael B. Stewart

9. Signature:

/Michael B. Stewart/

Signature

June 30, 2009

Date

Michael B. Stewart - 36,018

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

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 worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

MULTICHANNEL ON A SINGLE WAVE LASER OVER WAVE DIVISION MULTIPLEXING IN FREE SPACE OPTICS USING PHASE MASKS

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 insert here in the parentheses (Application Number _____, filed _____) the filing 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 (n whole or in part), substitute, renewal, reissue, provisional, and all other applications 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 or claiming priority to said application; and in and to all original and reissued 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;

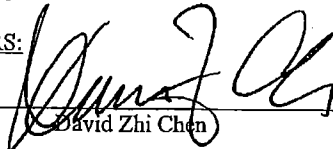
- II. agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to said Assignee, 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 Letters Patent and all Letters Patent on said improvements, in said Assignee, its successors and assigns; 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 undersigned.

IN WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:

Verizon entity (Assignee): Verizon Patent and Licensing Inc., having a place of business at One Verizon Way, Basking Ridge, NJ 07920.

ASSIGNORS:

Signature: _____


David Zhi Chen

Date: _____

6/30/09