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Attorney Dkt. No.: 20060310

To the Director of the Patent and Trademark Office:  
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10.5.06

1. Name of conveying party(ies)/Execution Date(s):  
  
David Zhi Chen  
  
Execution Date(s): October 5, 2006  
Additional name(s) of conveying party(ies) attached? Yes  No

2. Name and address of receiving party(ies):  
  
Verizon Services Corp.  
1320 North Courthouse Road  
Arlington, VA 22201  
  
Additional name(s) & address(es) attached? Yes  No

113277 U.S. PTO  
11/543472



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3. Nature of conveyance:  
  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

4. Patent Application No.(s) \_\_\_\_\_ Patent No.(s) \_\_\_\_\_  
 This document is being filed together with a new application. Additional numbers attached? Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
**Verizon Legal Document**  
Patent Management Group  
1515 Courthouse Road, Suite 500  
Arlington, VA 22201-2909

6. Total number of applications and patents involved:  
  
1

10/13/2006 DBYRNE 00000183 160605 11543472

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

Name of Person Signing: Richard D. Emery, III  
Reg. No. 58,894

October 5, 2006  
Date

Total number of pages including cover sheet, attachments, and documents: 2

USPTO Fax Number for New Assignments (703) 306-5995

### 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

#### SYSTEM AND METHOD FOR OBTAINING OPTICAL SIGNAL INFORMATION

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, 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 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 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 oaths, 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 patents and all patents on said improvements, in said Assignee, its successors and assigns; and

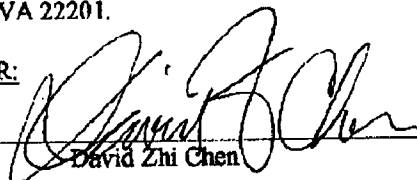
- III. covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed 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 Services Corp., having a place of business at 1320 North Courthouse Road, Arlington, VA 22201.

ASSIGNOR:

Signature: \_\_\_\_\_



David Zhi Chen

Date: October 5, 2006