

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Correct error in prior recorded cover sheet, 026215/0464, correct receiving party's city
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Ian J. Timmins	05/02/2011
James Yanik	05/02/2011
Sterling Vaden	05/02/2011
Sumio Seo	05/02/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Optical Cable Corporation
<b>Street Address:</b>	33 Superior Way
<b>City:</b>	Swannanoa
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28778
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13099483
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(828)252-6316
<b>Phone:</b>	828-252-6225
<b>Email:</b>	Carter@AshevillePatent.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	David M. Carter
<b>Address Line 1:</b>	Carter & Schnedler, P.A.
<b>Address Line 2:</b>	P.O. Box 2985
<b>Address Line 4:</b>	Asheville, NORTH CAROLINA 28802
<b>ATTORNEY DOCKET NUMBER:</b>	STT-86; OPTICAL CABLE
<b>NAME OF SUBMITTER:</b>	David M. Carter

OP \$40.00 13099483

**PATENT**

**501723918**

**REEL: 027232 FRAME: 0278**

**Total Attachments: 16**

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05/03/2011  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Ian J. Timmins	05/02/2011
James Yanik	05/02/2011
Sterling Vaden	05/02/2011
Sumio Seo	05/02/2011

**RECEIVING PARTY DATA**

Name:	Optical Cable Corporation
Street Address:	33 Superior Way
City:	Asheville
State/Country:	NORTH CAROLINA
Postal Code:	28778

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13099483

**CORRESPONDENCE DATA**

Fax Number: (828)252-6316  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 828-252-6225  
 Email: Carter@AshevillePatent.com  
 Correspondent Name: David M. Carter  
 Address Line 1: Carter & Schnedler, P.A.  
 Address Line 2: P.O. Box 2985  
 Address Line 4: Asheville, NORTH CAROLINA 28802

ATTORNEY DOCKET NUMBER:	STT-86
NAME OF SUBMITTER:	David M. Carter

Total Attachments: 8

OP \$40.00 13099483

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## DEED OF ASSIGNMENT

WHEREAS, I, Ian J. Timmins, ("Assignor") have invented certain new and useful improvements in an invention titled IMPROVED METHOD AND APPARATUS FOR ENHANCING WIRELESS COMMUNICATIONS TO AND FROM THE INSIDE OF A BUILDING (Attorney Docket No. STT-86); and

WHEREAS, Optical Cable Corporation, a Virginia corporation, having a place of business at 33 Superior Way, Swannanoa, North Carolina 28778, (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application and the invention described therein; in any and all applications claiming priority from said Application; continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues, of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that for and in consideration of \$10.00 and other good and valuable consideration, I, the said Assignor have bargained, sold, assigned, transferred and set over, and by these presents do hereby bargain, sell, assign, transfer and set over unto the said Assignee, its successors and assigns, my entire right, title and interest in and to said Application, and the invention therein described; in any and all continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom; the Letters Patent which may issue from said invention to be held and enjoyed by Assignee for its own use and behoof, and or the use and behoof of its successors, assigns or other legal representatives, to the full end of the term or terms for which said Letters Patent may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

And I hereby authorize the Commissioner of Patents to issue any and all Letters Patent of the United States of America for said invention, or resulting from said Application or applications therefore, to the said Assignee as the assignee of my entire right, title and interest in and to the said Application and invention.

And I further hereby assign unto Assignee, its successors and assigns, the priority rights deriving from said Application or applications and grant the right to file foreign applications corresponding thereto, whether claiming convention priority or not.

And I further covenant and agree that I will at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention, said Application, whether foreign or domestic, or any Letters Patent that may be granted for said invention, in Assignee, its successors, assigns or other legal representatives, and that if Assignee, its successors, assigns or other legal representatives, desire to file divisions or continuations of any of said Application, or to secure reissues of Letters Patent for said invention, I will, upon request, sign all papers, make all rightful oaths, and do all legal acts necessary and requisite for the application for such divisions, continuations or reissues and the procuring thereof.



## DEED OF ASSIGNMENT

WHEREAS, I, James Yanik, ("Assignor") have invented certain new and useful improvements in an invention titled IMPROVED METHOD AND APPARATUS FOR ENHANCING WIRELESS COMMUNICATIONS TO AND FROM THE INSIDE OF A BUILDING (Attorney Docket No. STT-86); and

WHEREAS, Optical Cable Corporation, a Virginia corporation, having a place of business at 33 Superior Way, Swannanoa, North Carolina 28778, (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application and the invention described therein; in any and all applications claiming priority from said Application; continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues, of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that for and in consideration of \$10.00 and other good and valuable consideration, I, the said Assignor have bargained, sold, assigned, transferred and set over, and by these presents do hereby bargain, sell, assign, transfer and set over unto the said Assignee, its successors and assigns, my entire right, title and interest in and to said Application, and the invention therein described; in any and all continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom; the Letters Patent which may issue from said invention to be held and enjoyed by Assignee for its own use and behoof, and or the use and behoof of its successors, assigns or other legal representatives, to the full end of the term or terms for which said Letters Patent may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

And I hereby authorize the Commissioner of Patents to issue any and all Letters Patent of the United States of America for said invention, or resulting from said Application or applications therefore, to the said Assignee as the assignee of my entire right, title and interest in and to the said Application and invention.

And I further hereby assign unto Assignee, its successors and assigns, the priority rights deriving from said Application or applications and grant the right to file foreign applications corresponding thereto, whether claiming convention priority or not.

And I further covenant and agree that I will at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention, said Application, whether foreign or domestic, or any Letters Patent that may be granted for said invention, in Assignee, its successors, assigns or other legal representatives, and that if Assignee, its successors, assigns or other legal representatives, desire to file divisions or continuations of any of said Application, or to secure reissues of Letters Patent for said invention, I will, upon request, sign all papers, make all rightful oaths, and do all legal acts necessary and requisite for the application for such divisions, continuations or reissues and the procuring thereof.



## DEED OF ASSIGNMENT

WHEREAS, I, Sterling Vaden, ("Assignor") have invented certain new and useful improvements in an invention titled IMPROVED METHOD AND APPARATUS FOR ENHANCING WIRELESS COMMUNICATIONS TO AND FROM THE INSIDE OF A BUILDING (Attorney Docket No. STT-86); and

WHEREAS, Optical Cable Corporation, a Virginia corporation, having a place of business at 33 Superior Way, Swannanoa, North Carolina 28778, (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application and the invention described therein; in any and all applications claiming priority from said Application; continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues, of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that for and in consideration of \$10.00 and other good and valuable consideration, I, the said Assignor have bargained, sold, assigned, transferred and set over, and by these presents do hereby bargain, sell, assign, transfer and set over unto the said Assignee, its successors and assigns, my entire right, title and interest in and to said Application, and the invention therein described; in any and all continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom; the Letters Patent which may issue from said invention to be held and enjoyed by Assignee for its own use and behoof, and or the use and behoof of its successors, assigns or other legal representatives, to the full end of the term or terms for which said Letters Patent may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

And I hereby authorize the Commissioner of Patents to issue any and all Letters Patent of the United States of America for said invention, or resulting from said Application or applications therefore, to the said Assignee as the assignee of my entire right, title and interest in and to the said Application and invention.

And I further hereby assign unto Assignee, its successors and assigns, the priority rights deriving from said Application or applications and grant the right to file foreign applications corresponding thereto, whether claiming convention priority or not.

And I further covenant and agree that I will at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention, said Application, whether foreign or domestic, or any Letters Patent that may be granted for said invention, in Assignee, its successors, assigns or other legal representatives, and that if Assignee, its successors, assigns or other legal representatives, desire to file divisions or continuations of any of said Application, or to secure reissues of Letters Patent for said invention, I will, upon request, sign all papers, make all rightful oaths, and do all legal acts necessary and requisite for the application for such divisions, continuations or reissues and the procuring thereof.



## DEED OF ASSIGNMENT

WHEREAS, I, Sumio Seo, ("Assignor") have invented certain new and useful improvements in an invention titled IMPROVED METHOD AND APPARATUS FOR ENHANCING WIRELESS COMMUNICATIONS TO AND FROM THE INSIDE OF A BUILDING (Attorney Docket No. STT-86); and

WHEREAS, Optical Cable Corporation, a Virginia corporation, having a place of business at 33 Superior Way, Swannanoa, North Carolina 28778, (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application and the invention described therein; in any and all applications claiming priority from said Application; continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues, of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that for and in consideration of \$10.00 and other good and valuable consideration, I, the said Assignor have bargained, sold, assigned, transferred and set over, and by these presents do hereby bargain, sell, assign, transfer and set over unto the said Assignee, its successors and assigns, my entire right, title and interest in and to said Application, and the invention therein described; in any and all continuations and divisions of said Application; in any and all Letters Patent of the United States of America which may issue from said Application or continuations or divisions thereof, including any and all reissue or reissues of such Letters Patent; and, in any and all foreign applications claiming priority from said Application, and such foreign Letters Patent which may issue therefrom; the Letters Patent which may issue from said invention to be held and enjoyed by Assignee for its own use and behoof, and or the use and behoof of its successors, assigns or other legal representatives, to the full end of the term or terms for which said Letters Patent may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

And I hereby authorize the Commissioner of Patents to issue any and all Letters Patent of the United States of America for said invention, or resulting from said Application or applications therefore, to the said Assignee as the assignee of my entire right, title and interest in and to the said Application and invention.

And I further hereby assign unto Assignee, its successors and assigns, the priority rights deriving from said Application or applications and grant the right to file foreign applications corresponding thereto, whether claiming convention priority or not.

And I further covenant and agree that I will at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention, said Application, whether foreign or domestic, or any Letters Patent that may be granted for said invention, in Assignee, its successors, assigns or other legal representatives, and that if Assignee, its successors, assigns or other legal representatives, desire to file divisions or continuations of any of said Application, or to secure reissues of Letters Patent for said invention, I will, upon request, sign all papers, make all rightful oaths, and do all legal acts necessary and requisite for the application for such divisions, continuations or reissues and the procuring thereof.

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And I further covenant and agree that I will at any time, upon request, communicate to Assignee, its successors, assigns or other legal representatives, any facts relating to the said invention and Letters Patent, or the history thereof known to me, and will testify as to the same in any interference or litigation when requested to do so.

IN WITNESS WHEREOF, I have hereunto set my hand on the date adjacent to my signature.

[Signature]  
SUMIO SEO

Date: 5/2/11

STATE OF VT. )  
COUNTY OF Rutland ) ss:

This 2 day of May, 2011 before me personally came the above-named SUMIO SEO, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

[Signature]  
NOTARY PUBLIC

My Commission Expires: 2/10/15 (SEAL)

STT-86\_Seo\_Pat\_Assign

STT-86 Yanik Pat Assign.doc