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Name (1): Daniel J. Rutterman

Execution Date: December 17, 1999

Name (2): Shannon N. Harwell-Rutterman

Execution Date: December 17, 1999

Name (3): Chad A. Burel

Execution Date: December 17, 1999

Name (4):

Name (5):

*09/469263*

**Receiving Party:**

Mark if additional names of receiving parties attached

Name (line 1): Siecor Operations, LLC

Name (line 2):

Address (line 1): 800 17<sup>th</sup> Street NW

Address (line 2):

City: Hickory

State/Country: NC/USA

Zip Code: 28601

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**PATENT**  
**REEL: 010503 FRAME: 0949**

**Correspondent Name and Address:**

Timothy J. Aberle  
Siecor Operations, LLC  
PO Box 489  
Hickory, NC 28603-0489  
(828) 327-5354

**Pages:** Enter the total number of pages of the attached conveyance document including any attachments **#3**

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Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Date:

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**Fee Amount:** Fee Amount for Properties Listed (37 CFR 3.41): **\$40.00**

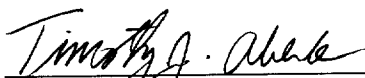
Method of Payment:  Enclosed  Deposit Account

Deposit Account Number: 19-2167

Authorization to charge additional fees:  Yes  No

**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. Charges to deposit account are authorized, as indicated herein.



Timothy J. Aberle

Date: 12/22/99

## ASSIGNMENT

Of Patent Application for: **OPTICAL FIBER RIBBON CABLES**

THIS ASSIGNMENT, made this 17<sup>TH</sup> day of December, 1999, by:

**Daniel J. Rutterman**

1127 Edgefield Lane  
Newton, NC 28658

**Shannon N. Harwell-  
Rutterman**

1127 Edgefield Lane  
Newton, NC 28658

**Chad A. Burel**

1901 Lake Acres Drive  
Hickory, NC 28601

WHEREAS, the said assignors have invented certain new and useful improvements in **OPTICAL FIBER RIBBON CABLES** set forth in an application for Letters Patent of the United States, executed on even date herewith; and,

WHEREAS, Siecor Operations, LLC, a limited liability company duly organized under and pursuant to the laws of the State of North Carolina and having its principal place of business at 800 17th Street, N.W., Hickory, N. C. 28601, (hereinafter referred to as the assignee) is 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 or Patents, United States or foreign, to be obtained therefor and thereon;

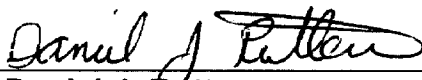
NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, the said assignors have sold, assigned, transferred and set over and by these presents, do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.


AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and

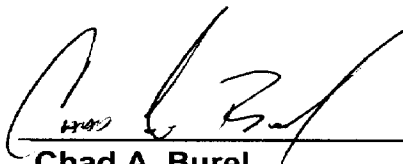
assigns, that, at the time of execution and delivery of these presents, the said assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and the application for Letters Patent above mentioned, and that the same are unencumbered and that the said 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, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that the said assignors will, whenever counsel of the said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, 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 Letters Patent for said inventions, without charge to the said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

AND the said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said assignee, as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

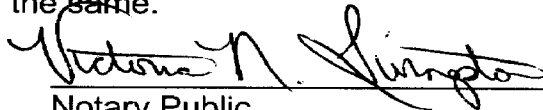
  
\_\_\_\_\_  
Daniel J. Rutterman  
Date: 12-17-99

  
\_\_\_\_\_  
Shannon N. Harwell-  
Rutterman  
Date: 12/17/99

  
\_\_\_\_\_  
Chad A. Burel  
Date: 12/17/99

STATE OF NORTH CAROLINA  
COUNTY OF CATAWBA

On this 17<sup>th</sup> day of December, 1999, personally before me came Daniel J. Rutterman, Shannon N. Harwell-Rutterman and Chad A. Burel, known to me to be the persons described in and who signed the foregoing Assignment and being duly sworn, acknowledged that they executed the same.

  
Notary Public

(Notary Seal)

My commission expires November 30, 2003