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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Patrick Heinz Christopher Scheper David Leary</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Innovative Fiber Optic Solutions, L.L.C.</p> <p>Internal Address:</p>
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<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other: _____</p> <p>Execution Date: <u>November 20, 2001</u></p>	<p>Street Address: 714 East Monument Avenue, Suite 219</p> <p>City: Dayton State: OH ZIP: 45402</p> <p>Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

<p>A. Patent Application No.(s)</p> <p><u>10/001,524, filed 10/24/2001</u></p>	<p>B. Patent No.(s)</p> <p><u>10/001,524 24 2002</u></p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Alan R. Loudermilk</u></p>	<p>6. Total number of applications and patents involved: 1</p>
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<p>Internal Address: <u>Suite B</u></p>	<p>7. Total fee (37 CFR 3.41)..... \$40.00</p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>
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<p>Street Address: <u>10950 N. Blaney Ave.</u></p> <p>City: <u>Cupertino</u>: State: <u>CA</u> ZIP: <u>95014</u></p>	<p>8. Deposit account number:</p> <p><u>50-0251</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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DO NOT USE THIS SPACE

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: Alan R. Loudermilk Signature: Date: Dec. 13, 2001

Total number of pages including cover sheet: 4 Attorney Docket No: IFS-001

ASSIGNMENT

Application Number: 10/001,524

Filing Date: October 24, 2001

In consideration of One Dollar and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor, or each inventor if more than one, hereby assigns to **Innovative Fiber Optic Solutions, L.L.C.**, having an address of **714 East Monument Avenue, Suite 219, Dayton, OH 45402**, its successors and assigns (hereinafter called "said assignee"), the entire right, title and interest in the invention or improvements of the undersigned disclosed in the above-identified Application entitled **SYSTEM AND METHOD FOR ETHERNET OPTICAL AREA NETWORK**, and in said applications and any and all other applications for patent or similar rights in any country, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent or similar rights of the United States or any other country which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents or other official of other countries to issue said Letters Patent or similar rights to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application.

For said consideration, the undersigned hereby agrees, upon the request and at the expense of said assignee, to execute any divisional, continuation or substitute application for said invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent or similar rights that may be granted upon said application, and, in the event of any application or Letters Patent or similar rights assigned herein becoming involved in interference or other proceedings relating thereto, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing any preliminary statement or other documents as appropriate, and giving and producing evidence and/or testimony in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain, maintain, issue and enforce said Letters Patent or similar rights of the United States or any other country and vest in said assignee all rights therein, whereby said Letters Patent or similar rights will be held and enjoyed by said assignee, to the full end of the term for which said Letters Patent or similar rights may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

And for said consideration, the undersigned hereby assigns to said assignee the entire right, title and interest in said invention or improvements in the United States and all foreign countries, including all priority rights under the International Convention, and agrees to execute, at the request of said assignee, all documents in connection with any application for foreign letters patent therefor.

SIGNATURE(S) AND NOTARIZATION
OF SIGNATURE(S) TO ASSIGNMENT

Signature of First Inventor: _____


Name (printed) First Inventor: Patrick Heinz

Date of Signature/Execution: 11/20/01

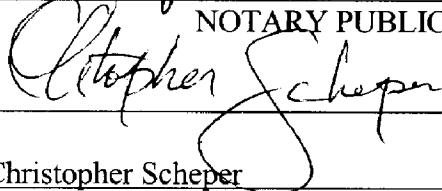
STATE OF Ohio)
) SS.
COUNTY OF Montgomery)

I, David P Tedford, a Notary Public in and for said county and state, do hereby certify that Patrick Heinz, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Given under my hand and notarial seal this 20 day of November, 2001.

David P Tedford
NOTARY PUBLIC

DAVID P. TEDFORD, Notary Public
In and for the State of Ohio
My Commission Expires April 2, 2006

Signature of Second Inventor: _____


Name (printed) Second Inventor: Christopher Schepers

Date of Signature/Execution: 11.20.1

STATE OF Ohio)
) SS.
COUNTY OF Montgomery)

I, David P Tedford, a Notary Public in and for said county and state, do hereby certify that Christopher Schepers, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Given under my hand and notarial seal this 20 day of November, 2001.

David P Tedford
NOTARY PUBLIC

DAVID P. TEDFORD, Notary Public
In and for the State of Ohio
My Commission Expires April 2, 2006

Signature of Third Inventor:

David Leary

Name (printed) Third Inventor:

David Leary

Date of Signature/Execution:

11/20/01

STATE OF Ohio)
) SS.
COUNTY OF Montgomery)

I, David P Tedford, a Notary Public in and for said county and state, do hereby certify that David Leary, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Given under my hand and notarial seal this 20 day of November, 2001.

David P Tedford
NOTARY PUBLIC

DAVID P. TEDFORD, Notary Public
In and for the State of Ohio
My Commission Expires April 2, 2006