

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Paul E. Sanders	12/19/2006
Edward M. Dowd	12/19/2006
Andrew S. Kuczma	12/19/2006
Trevor W. MacDougall	12/19/2006
Brian J. Pike	12/19/2006

RECEIVING PARTY DATA

Name:	Weatherford/Lamb, Inc.
Street Address:	515 Post Oak Boulevard, Suite 600
City:	Houston
State/Country:	TEXAS
Postal Code:	77027

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12251334

CORRESPONDENCE DATA

Fax Number: (713)623-4846
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Correspondent Name: Randol W. Read
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Address Line 4: Houston, TEXAS 77056

ATTORNEY DOCKET NUMBER:

WEAT/0774.C1

NAME OF SUBMITTER:

Randol W. Read

PATENT

500792395

REEL: 022318 FRAME: 0170

OP \$40.00 12251334

Total Attachments: 2

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ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:**

Names and Addresses
of Inventors:

1)	Paul E. Sanders 36 Cherry Lane Madison, Connecticut 06443	2)	Edward M. Dowd 21 Pepperwood Court Madison, Connecticut 06443
3)	Andrew S. Kuczma 53 Fox Hill Drive Clinton, Connecticut 06413	4)	Trevor W. MacDougall 32 Elaine Drive Simsbury, Connecticut 06070
5)	Brian J. Pike 17 Summerhill Circle 122 Cheshire Rd Wallingford, Connecticut 06492		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

**PURE SILICA CORE, HIGH BIREFRINGENCE,
SINGLE POLARIZATION OPTICAL WAVEGUIDE**

- ☐ for which application for Letters Patent in the United States is filed herewith;
- ☐ for which application for Letters Patent in the United States was filed on _____, under Serial No. _____;
- ☒ I/we hereby authorize and request our attorneys, Patterson & Sheridan of 3040 Post Oak Boulevard, Suite 1500, Houston, Texas 77056, to insert here in parentheses (Application number 11/614,606 and Confirmation number 9650, filed Dec 21, 2006) the filing date and application number of said application when known;

and

WHEREAS, Weatherford/Lamb, Inc., a corporation of the State of Delaware, having a place of business at 515 Post Oak Boulevard, Suite 600, Houston, Texas 77027 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the

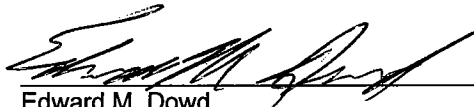
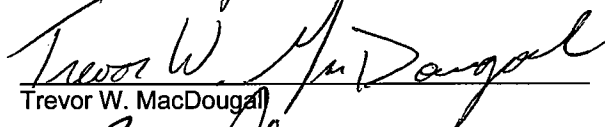
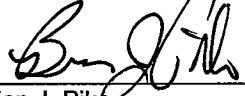
Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>12/12/06</u> Date	 Paul E. Sanders
2)	<u>12/19/06</u> Date	 Edward M. Dowd
3)	<u>12/19/06</u> Date	 Andrew S. Kuczma
4)	<u>12/19/06</u> Date	 Trevor W. MacDougall
5)	<u>12/19/06</u> Date	 Brian J. Pike