

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Termination of Collateral Assignment of Patents, Trademarks, Copyrights and Licenses at Reel 3033 Frame 0190

**CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
Connecticut Development Authority		01/31/2008	a body politic and corporate constituting a public instrumentality and political subdivision of the State of Connecticut: CONNECTICUT

**RECEIVING PARTY DATA**

<b>Name:</b>	Nufern
<b>Street Address:</b>	7 Airport Park Road
<b>City:</b>	East Granby
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06026
<b>Entity Type:</b>	CORPORATION: DELAWARE

**PROPERTY NUMBERS Total: 5**

Property Type	Number	Word Mark
Registration Number:	2602794	NUFERN
Registration Number:	2743071	NUFERN
Registration Number:	2602310	NUFERN
Registration Number:	2784242	DRIVEN TO LIGHT
Serial Number:	78466521	NULABS

**CORRESPONDENCE DATA**

**Fax Number:** (617)526-5000  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
**Phone:** 617-526-6448  
**Email:** huelinh.tran@wilmerhale.com  
**Correspondent Name:** Michael J. Bevilacqua, Esq.  
**Address Line 1:** Wilmer Cutler Pickering Hale and DorrLLP

**CH \$140.00 2602794**

Address Line 2: 60 State Street  
Address Line 4: Boston, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	289.463.120
NAME OF SUBMITTER:	Michael J. Bevilacqua
Signature:	/michael j. bevilacqua/
Date:	02/11/2008

**Total Attachments: 7**

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**TERMINATION OF COLLATERAL ASSIGNMENT OF PATENTS, TRADEMARKS,  
COPYRIGHTS AND LICENSES**

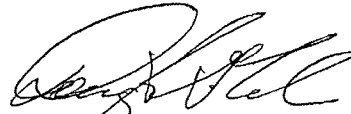
WHEREAS, Nufern, a Delaware corporation, having a place of business at 7 Airport Park Road, East Granby, Connecticut 06026 (the "Assignor") and Connecticut Development Authority, a body politic and corporate constituting a public instrumentality and political subdivision of the State of Connecticut, 999 West Street, Rocky Hill, Connecticut 06067 (the "Assignee") entered into a certain Collateral Assignment of Patents, Trademarks, Copyrights and Licenses (the "Assignment"), dated as of February 18, 2005, which was recorded in the United States Patent and Trademark Office on February 22, 2005 at Reel 015698 and Frame 0061 for patents and at Reel 3033 and Frame 0190 for trademarks, that by its terms granted the Assignee a security interest in certain intellectual property listed in Schedule A (the "Patents") and Schedule B (the "Trademarks");

WHEREAS, the Assignor has or has caused to be paid and satisfied in full the obligations for which the security interest in the Trademarks and Patents was granted.

NOW THEREFORE the parties hereto agree that the Assignee hereby reassigns to the Assignor the interest in the Trademarks and Patents listed on Exhibit A attached hereto in which Assignee was granted a security interest under the Assignment. The Assignee also hereby releases its security interest in the Trademarks and Patents listed in Exhibit A attached hereto. The Assignee further agrees, for itself, its successors and assigns, to execute such further documents and to perform such further lawful acts as may reasonably be requested by the Assignor, to effectuate this termination.

IN WITNESS WHEREOF the parties hereto by the signature below of their duly authorized representatives agree to be bound by the provisions of this Termination Agreement as of the date of execution, this 31 day of January, 2008.

CONNECTICUT DEVELOPMENT AUTHORITY



Name: John G. Tuck  
Title: Vice President

County of  
State of

) HARTFORD  
) CONNECTICUT

Then personally appeared the above named John G. Tuck and acknowledged the foregoing act to be his/her free act and deed, before me, this 31 day of JANUARY, 2008.



Notary Public

My commission expires:

**STEPHEN J. BENEDETTO**  
**NOTARY PUBLIC**  
MY COMMISSION EXPIRES NOV. 30, 2009

US1DOCS 6520682v1

**TRADEMARK**  
**REEL: 003717 FRAME: 0298**

**EXHIBIT A**

**SCHEDULES A and C**

**NUFERN PATENTS (Owned or Exclusively Licensed)**

**ACRONYM KEY:** *DC = double clad; PM = polarization maintaining; LMA = large mode area; RED = rare earth doped*

TITLE	INVENTORS	APPLICATION/PATENT NUMBER	ADDITIONAL DESCRIPTION
Cladding-pumped optical fiber and methods for fabricating	Tankala, Carter	US 6,477,307 B1	DC fiber for fiber lasers and amplifiers (shaped pump cladding)
Cladding-pumped optical fiber and methods for fabricating	Tankala, Carter	US 6,779,364 B2	Method of making DC fiber for fiber laser and amplifiers
Method and apparatus for communicating signals with an optical fiber	Seifert	US 6,793,411 B2	Improved optical alignment of laser diode pump or seed with optical fiber, such as fiber laser or amplifier
Cladding-pumped optical fiber	Carter, Tankala, Jacobson	US 6,625,363 B2	DC fiber for lasers and amplifiers (stress inducing particles in second cladding)
Double-clad optical fiber for lasers and amplifiers	Carter, Tankala, Seifert	US 6,687,445 B2	DC fiber for lasers and amplifiers (scattering regions in pump cladding)
Fiber for enhanced energy absorption	Po	US 6,516,124 B2	DC fiber (shaped inner cladding)
Optical fiber	Po	US 2004/0208464 Application No.: 10/755,749 To Issue	Air clad DC fiber for high power pumping of fiber lasers and amplifiers
Raman fiber laser	Po, Demidov	US 2002/0126714 Application No.: 10/068,433 To Issue	Fiber laser based on Raman scattering
Optical fiber having high temperature insensitivity over a temperature range centered on a selected temperature and method of making same	Carter, Jacobson, Tankala, Farroni	Issued: US 6,832,026 B2 US 2003/0086648	Temperature insensitive fiber useful for fiber Bragg gratings
Method of providing an optical fiber having a minimum temperature sensitivity at a selected temperature	Farroni, Tankala, Carter, Jacobson	US 2004/0028361 Application No.: 10/436,623 To Issue	Method of making temperature insensitive fiber useful for fiber Bragg gratings
Compression-tunable fiber laser and compression-resistant optical fiber for lasers	Carter	US 2004/0156403 Application No.: 10/734,632	Wavelength tunable fiber laser

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TITLE	INVENTORS	APPLICATION/PATENT NUMBER	ADDITIONAL DESCRIPTION
Double-clad optical fiber for lasers and amplifiers	Carter, Tankala Seifert	US 2004/0069019 Application No.: 10/860,396	Method of making DC fiber for lasers and amplifiers
Optical fiber having an expanded mode field diameter and methods of providing such a fiber	Tankala	US 2004/0096174 Application No.: 10/438,680	Microstructured fiber having expanded mode field diameter
Multimode polarization maintaining double clad fiber	Farroni, Manyam,	10/910,924	Multimode PM/DC fiber for fiber lasers and amplifiers
Cladding-pumped optical fiber and methods for fabricating	Tankala, Carter	10/875,749	DC fiber for fiber lasers and amplifiers (glass-glass DC with circular perimeter of second cladding) for high power pumping of fiber lasers and amplifiers
Improved optical fiber (1)	Farroni, Tankala, Carter	US 2004/0086245 Application No.: 10/619,376	(1) Photosensitive/ PM/DC fiber for lasers (F/Ge core)
Improved optical fiber (2)			(2) Photosensitive/ PM/DC fiber for fiber lasers (B/Ge core)
Improved optical fiber (3)			(3) All Round PM/DC fiber for fiber lasers and amplifiers
			Three applications temporarily combined into one continuation-in-part application for 102(e) purposes
Portable laser	Seifert, Alam	10/867,295	Portable laser design, including fiber laser
Optical fiber for handling higher powers	Samson, Carter	10/820,475	PM and PM/DC "Batman" fiber for fiber lasers and amplifiers
Optical fiber with suppressed stimulated Brillouin scattering and method for making such a fiber	Manyam, Tankala, Jacobson	10/981,437	Fiber, and method of making, having increased threshold for onset of SBS; useful as high power delivery fiber
Fiber optic article including fluorine	Farroni, Manyam, Jacobson, Tankala, Carter	10/912,666	LMA Er/Yb doped fiber for fiber lasers and amplifiers (fluorine doped)
Fiber optic article with inner region	Farroni, Manyam, Jacobson, Tankala, Carter	10/911,812	LMA Er/Yb doped fiber for fiber lasers and amplifiers (shaped pedestal)
Apparatus and methods for accommodating loops of optical fiber	Seifert	PCT/US04/31723	Coil form for fiber for fiber lasers and amplifiers, including method and apparatus for winding the coil form.

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Substitute Page 3 for Nufern Intellectual Property Schedule provided pursuant to Collateral Assignment between CPA & Nufern (Borrower)

TITLE	INVENTORS	APPLICATION/PATENT NUMBER	ADDITIONAL DESCRIPTION
Double-clad optical fiber for lasers and amplifiers	Carter, Tankala Seifert	US 2004/0069019 <sup>680</sup> <sup>RJR</sup> Application No.: 10/860,396	Method of making DC fiber for lasers and amplifiers
Optical fiber having an expanded mode field diameter and methods of providing such a fiber	Tankala	US 2004/0096174 Application No.: 10/438,680	Microstructured fiber having expanded mode field diameter
Multimode polarization maintaining double clad fiber	Farroni, Manyam,	10/910,924	Multimode PM/DC fiber for fiber lasers and amplifiers
Cladding-pumped optical fiber and methods for fabricating	Tankala, Carter	10/875,749	DC fiber for fiber lasers and amplifiers (glass-glass DC with circular perimeter of second cladding) for high power pumping of fiber lasers and amplifiers
Improved optical fiber (1)	Farroni, Tankala, Carter	US 2004/0086245 Application No.: 10/619,376	(1) Photosensitive/ PM/DC fiber for lasers (F/Ge core)
Improved optical fiber (2)			(2) Photosensitive/ PM/DC fiber for fiber lasers (B/Ge core)
Improved optical fiber (3)			(3) All Round PM/DC fiber for fiber lasers and amplifiers
Portable laser	Seifert, Alam	10/1167,295	Three applications temporarily combined into one continuation-in-part application for 102(e) purposes Portable laser design, including fiber laser
Optical fiber for handling higher powers	Samson, Carter	10/820,475	PM and PM/DC "Batman" fiber for fiber lasers and amplifiers
Optical fiber with suppressed stimulated Brillouin scattering and method for making such a fiber	Manyam, Tankala, Jacobson	10/981,437	Fiber, and method of making, having increased threshold for onset of SBS; useful as high power delivery fiber
Fiber optic article including fluorine	Farroni, Manyam, Jacobson, Tankala, Carter	10/912,666	LMA Er/Yb doped fiber for fiber lasers and amplifiers (fluorine doped)
Fiber optic article with inner region	Farroni, Manyam, Jacobson, Tankala, Carter	10/911,812	LMA Er/Yb doped fiber for fiber lasers and amplifiers (shaped pedestal)
Apparatus and methods for accommodating loops of optical fiber	Seifert	PCT/US04/31723	Coil form for fiber for fiber lasers and amplifiers, including method and apparatus for winding the coil form.

Pete J. Parnell Counsel, Intellectual Property, Nufern.  
2/28/05

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TITLE	INVENTORS	APPLICATION/PATENT NUMBER	ADDITIONAL DESCRIPTION
Method and apparatus for providing light having a selected polarization with an optical fiber	Abramczyk, Manyam, Samson, Tankala	60/540,799 PCT/US05/02908	Polarized fiber laser using coiling and standard PM fiber
Improved optical fiber for delivering optical energy to or from a work object	Manyam, Seifert, Tankala	60/567,533	Power delivery fiber having selected beam shape (select index of refraction profile)
Optical fiber having reduced defect density	Seifert, Manyam, Alam, Tankala, Abramczyk, Guertin, Jacobson	60/567,534	Power delivery fiber (clean fabrication of HCS or TECS coated fiber)
Fiber for enhanced energy absorption	Po	US 2004/0156606 Application No.: 10/653,435	DC LMA fiber for fiber lasers and amplifiers
Ring core fiber	Po	US 2004/0156608 Application No.: 10/675,350	LMA fiber for fiber lasers and amplifiers (multimode ring core that periodically self focuses)
Optical fiber and system containing same	Po, Demidov	US 2004/0156588 Application No.: 10/714,524	Raman fiber system
Multi-wavelength optical fiber	Po, Demidov	US 2004/0179797 Application No.: 10/735,862	Fiber laser having multiple output wavelengths (Raman based)
Optical fiber amplifier	Demidov, Starodoumov	10/771,002	Raman fiber amplifier
Fiber for enhanced energy absorption	Po	EPO 02748370.0	European counterpart to US application
Ring core fiber	Po	EPO 02757827.7	European counterpart to US application
Optical fiber	Po	EPO 02759124.7	European counterpart to US application
Optical fiber amplifier	Demidov, Starodoumov	EPO 02750386.1	European counterpart to US application
Photodarkening resistant fiber	Carter	Disclosure Received	Improved fiber for fiber lasers and amplifiers
Method and apparatus for sensing light (1)	Seifert	Application Drafted	Monitoring subassembly performance by sensing ambient light
Method and apparatus for sensing light (2)	Seifert	Filed: (1) and (2) combined Application No.: 60/635,923	Sensing stray light from splices, bends and light from gratings for monitoring subassembly performance
Method and apparatus for thermal management of subassemblies	Seifert	Application in Progress	Thermal management of gratings, splices, fiber coils and the like
High power fiber grating	Carter	Disclosure Received	Fiber Bragg gratings for high power lasers and amplifiers
Optical fiber with micro-structured cladding	Manyam, Tankala	Filed: Application No.: 11/004,344	DC/Microstructured fiber having randomly oriented regions

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TITLE	INVENTORS	APPLICATION/PATENT NUMBER	ADDITIONAL DESCRIPTION
Brightness converter	Feliksik, Tankala, Seifert	Application Drafted	Modular fiber laser
Double clad fiber	Seifert	Application Drafted	Air clad DC fiber for fiber lasers and amplifiers
Fiber optic coupler, optical fiber useful with the coupler and/or a pump light source, and methods of coupling light	Seifert, O'Connor, Manyam, Jacobson	Filed: Application No.: 60/646,183	Anti-guiding laser diode pigtail
Composite polymer structured fiber coating	Seifert	Disclosure Received	Photonic Bandgap DC fiber/polyimide coated fiber for fiber lasers and amplifiers

**SCHEDULE C**

**U.S. PATENTS NON-EXCLUSIVELY LICENSED**

(International equivalents of the following are also licensed but not listed)

**UNITED TECHNOLOGIES CORPORATION**

4,761,073; 4,806,012; 4,950,883; 4,996,419; 5,007,705; 5,042,898; 5,305,335; 5,317,576; 5,394,488; 5,399,854; 5,401,956; 5,426,297; 5,469,520; 5,493,113; 5,493,390; 5,511,083; 5,513,913; 5,546,481; 5,564,832; 5,594,747; 5,604,836; 5,657,406; 5,666,372; 5,691,999; 5,770,155.

**BRITISH TELECOMMUNICATIONS PLC**




4,799,946; 4,923,279; Re. 35,946; 4,936,650; 5,278,850; 5,412,672; 5,594,578.

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**SCHEDULE B: TRADEMARKS**

TRADEMARK	APPLICATION / REGISTRATION NO.	GOODS/SERVICES	COUNTRY/ REGION
<i>NUFERN</i>	2,602,794	Fiber optics; Custom manufacture of fiber optics	US
<i>NUFERN</i>	2,743,071	Fiber optic cable; Custom manufacture of fiber optic cable	US
<i>NUFERN</i>	002067957	Fiber optic cable; Custom manufacture of fiber optic cable	EUROPE
<i>NUFERN</i>	864028	Fiber optic cables; Custom manufacture of fiber optic cables	AUSTRALIA
	2,602,310	Fiber optics; Custom manufacture of fiber optics	US
	864122	Fiber optic cables; Custom manufacture of fiber optic cables	AUSTRALIA
<i>DRIVEN TO LIGHT</i>	2,784,242	Fiber optics; Custom manufacture of fiber optics	US
<i>NULABS</i>	78466521	Technical reports, articles, or tutorials relating to Optics; Design, testing or evaluation services relating to Optics	US
	Nuferm green, to be filed	Fiber spools; fiber optic devices	US
<i>PUMPGUARD</i>	To be filed	Fiber Optics	US

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