



11-14-2000

U.S. Patent & TMOfo/TM Mail Rcpt. Dt. #40

12-01-2000



101535251

*MAD*  
*11-14-00*

### RECORDATION FORM COVER SHEET TRADEMARKS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

<b>Submission Type</b>		<b>Conveyance Type</b>	
<input checked="" type="checkbox"/> New	<input type="checkbox"/> Resubmission (Non-Recordation) Document ID # _____	<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> License
<input type="checkbox"/> Correction of PTO Error Reel # _____ Frame # _____	<input type="checkbox"/> Corrective Document Reel # _____ Frame # _____	<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Nunc Pro Tunc Assignment Effective Date Month Day Year _____
		<input type="checkbox"/> Merger	
		<input type="checkbox"/> Change of Name	
		<input type="checkbox"/> Other _____	

**Conveying Party**  Mark if additional names of conveying parties attached

Name: LUMENYTE INTERNATIONAL CORPORATION Execution Date: 8-22-00  
 Formerly: \_\_\_\_\_

Individual  General Partnership  Limited Partnership  Corporation  Association  
 Other \_\_\_\_\_

Citizenship/State of Incorporation/Organization: CALIFORNIA

**Receiving Party**  Mark if additional names of receiving parties attached

Name: ROGER K. HUGHES AS SUCCESSOR AND TRUSTEE

DBA/AKA/TA: \_\_\_\_\_

Composed of: \_\_\_\_\_

Address (line 1): 410 WEST ARDEN AVENUE

Address (line 2): SUITE 204

Address (line 3): GLENDALE City CA State/Country 91203 Zip Code

Individual  General Partnership  Limited Partnership  If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)  
 Corporation  Association  
 Other \_\_\_\_\_

Citizenship/State of Incorporation/Organization: CA

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**TRADEMARK**  
REEL: 002185 FRAME: 0334

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Trademark Application Number(s) or Registration Number(s)**

Mark if additional numbers attached

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

**Trademark Application Number(s)**

**Registration Number(s)**

<input type="text" value="75/006,741"/>	<input type="text"/>	<input type="text"/>
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<input type="text" value="1,324,321"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

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.

TONYA CHAPPLE

Name of Person Signing

*Tonya Chapple*  
Signature

11-9-00

Date Signed

**ASSIGNMENT FOR SECURITY OF  
PATENTS AND TRADEMARKS**

THIS ASSIGNMENT FOR SECURITY OF PATENTS AND TRADEMARKS (this "Assignment") is made as of August 22, 2000, by LUMENYTE INTERNATIONAL CORPORATION, a California corporation ("Assignor"), in favor of ROGER K. HUGHES AS SUCCESSOR TRUSTEE OF THE MARITAL TRUST CREATED UNDER THE PAUL AND JANICE HUGHES REVOCABLE TRUST, DATED JANUARY 16, 1985, AS AMENDED as successor to PAUL A. HUGHES ("Secured Party").

**W I T N E S S E T H**

A. On January 5, 2000, Assignor commenced a bankruptcy case under Chapter 11 of Title 11 of the United States Code, 11 U.S.C. §§ 101 et seq. in the United States Bankruptcy Court for the Central District of California, Santa Ana Division (the "Bankruptcy Court"), Case No. SA 00-10096-RA.

B. On April 28, 2000, the Bankruptcy Court entered an Order Authorizing and Approving Debtor in Possession Financing and Term Sheet with Paul A. Hughes (the "Order"). On May 1, 2000, pursuant to the Order, Assignor executed in favor of Secured Party that certain Secured Promissory Note (the "Note") and that certain Security Agreement (the "Security Agreement" and together with the Note and all related loan and security documents, the "Loan Documents"). On May 1, 2000, pursuant to the Loan Documents, Secured Party made a loan (the "Loan") to Assignor in the principal face amount of \$1,312,643.51.

C. Pursuant to the Security Agreement, Assignor granted and conveyed to Secured Party a continuing security interest in and lien upon the Collateral (as defined in the Security Agreement) to secure payment of the Loan and all other obligations under the Loan Documents (collectively, the "Obligations"). The Collateral includes, among other things, Assignor's patents, patent rights and applications therefor, trademarks, trademark rights and applications therefor, license rights, all other intellectual property, and goodwill. Consistent with and to effectuate the Order, Assignor desires to execute this Assignment in favor of Secured Party.

NOW, THEREFORE, in consideration of the premises set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor agrees as follows:

1. Incorporation of Security Agreement Definitions. The Security Agreement and the provisions thereof are hereby incorporated herein in their entirety by this reference. Capitalized terms used but not defined herein shall have the respective meanings given thereto in the Security Agreement.

2. Assignment for Security. To secure the complete and timely payment and satisfaction of the Obligations, Assignor hereby grants to Secured Party a continuing security interest in Assignor's entire right, title and interest in and to all of its now owned or existing and hereafter acquired or arising:

(a) patents and patent applications, including, without limitation, the inventions and improvements described and claimed therein, all patentable inventions and those patents and patent applications listed on Schedule A attached hereto and made a part hereof and the reissues, divisions, continuations, registrations, renewals, extensions and continuations-in-part of any of the foregoing, and all income, royalties, damages and payments now or hereafter due and/or payable under or with respect to any of the

foregoing, including without limitation, damages and payments for past, present and future infringements of any of the foregoing and the right to sue for past, present and future infringements of any of the foregoing (all of the foregoing are sometimes hereinafter individually and/or collectively referred to as the "Patents");

(b) trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos, other business identifiers, prints and labels on which any of the foregoing have appeared or appear, all registrations and recordings thereof, and all applications in connection therewith, including, without limitation, the trademarks and applications listed on Schedule A attached hereto and made a part hereof and renewals thereof, and all income, royalties, damages and payments now or hereafter due and/or payable under or with respect to any of the foregoing, including without limitation, damages and payments for past, present and future infringements of any of the foregoing and the right to sue for past, present and future infringements of any of the foregoing (all of the foregoing are sometimes hereinafter individually and/or collectively referred to as the "Trademarks");

(c) all other intellectual property of Assignor; and

(d) all rights corresponding to any of the foregoing throughout the world and the goodwill of Assignor's business connected with the use of and symbolized by the Trademarks and/or Patents.

In addition to, and not by way of limitation of, all other rights granted to Secured Party under this Assignment, Assignor hereby assigns, transfers and conveys to Secured Party all of the Patents, Trademarks, Assignor's other intellectual property, and all of the rights and goodwill described in clause (d) above to the extent necessary to enable Secured Party, effective upon the occurrence of any Event of Default, to realize on such property and any successor or assign of Secured Party to enjoy the benefits thereof. This right and assignment shall inure to the benefit of Secured Party and its successors, assigns and transferees, whether by voluntary conveyance, operation of law, assignment, transfer, foreclosure, deed in lieu of foreclosure or otherwise. Such right and assignment is granted free of charge, without requirement that any monetary payment whatsoever (including, without limitation, any royalty or license fee) be made to Assignor or any other Person by Secured Party (except that if Secured Party shall receive proceeds from the disposition of any such property, such proceeds shall be applied to the Obligations).

3. Reports of Applications. The Patents and Trademarks constitute all of the federally registered patents and trademarks, and applications therefor now owned by Assignor. Assignor shall provide Secured Party on a quarterly basis with a list of all new federally registered patents and trademarks and federal applications for letters patent registrations and trademark registrations, if any, which new patents, trademarks and applications shall be subject to the terms and conditions of the Security Agreement and this Assignment.

4. Effect on Security Agreement; Cumulative Remedies. Assignor acknowledges and agrees that this Assignment is not intended to limit or restrict in any way the rights and remedies of Secured Party under the Security Agreement but rather is intended to supplement and facilitate the exercise of such rights and remedies. All of the rights and remedies of Secured Party with respect to the Patents and Trademarks, whether established hereby, by the Security Agreement, by any other agreements, or by law, shall be cumulative and may be exercised singularly or concurrently. NOTWITHSTANDING ANY PROVISION HEREIN CONTAINED TO THE CONTRARY, SECURED PARTY SHALL NOT HAVE

THE RIGHT TO USE AND ENFORCE THE PATENTS AND TRADEMARKS UNLESS AND UNTIL THE OCCURRENCE OF AN EVENT OF DEFAULT, AND UNTIL THE OCCURRENCE OF AN EVENT OF DEFAULT ASSIGNOR SHALL HAVE ALL OF SUCH RIGHTS.

5. Binding Effect; Benefits. This Assignment shall be binding upon Assignor and its respective successors and assigns, and shall inure to the benefit of Secured Party and its successors and assigns.

6. APPLICABLE LAW; SEVERABILITY. THIS ASSIGNMENT SHALL BE GOVERNED BY AND SHALL BE CONSTRUED AND ENFORCED IN ACCORDANCE WITH ALL OF THE PROVISIONS OF THE CALIFORNIA UNIFORM COMMERCIAL CODE AND BY THE OTHER INTERNAL LAWS OF THE STATE OF CALIFORNIA, WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPLES, EXCEPT FOR THE PERFECTION AND ENDORSEMENT OF SECURITY INTERESTS AND LIENS IN OTHER JURISDICTIONS, WHICH SHALL BE GOVERNED BY THE LAWS OF THOSE JURISDICTIONS OR, AS APPLICABLE, BY THE LAWS OF THE UNITED STATES OF AMERICA. WHENEVER POSSIBLE, EACH PROVISION OF THIS ASSIGNMENT SHALL BE INTERPRETED IN SUCH A MANNER AS TO BE EFFECTIVE AND VALID UNDER APPLICABLE LAW, BUT IF ANY PROVISION OF THIS ASSIGNMENT SHALL BE PROHIBITED BY OR INVALID UNDER APPLICABLE LAW, SUCH PROVISION SHALL BE INEFFECTIVE ONLY TO THE EXTENT OF SUCH PROHIBITION OR INVALIDITY, WITHOUT INVALIDATING THE REMAINDER OF SUCH PROVISIONS OR THE REMAINING PROVISIONS OF THIS ASSIGNMENT.

7. CONSENT TO JURISDICTION. ASSIGNOR HEREBY CONSENTS TO THE JURISDICTION OF ANY STATE OR FEDERAL COURT LOCATED WITHIN THE COUNTY OF ORANGE, STATE OF CALIFORNIA AND IRREVOCABLY AGREES THAT, SUBJECT TO SECURED PARTY'S ELECTION, ALL ACTIONS OR PROCEEDINGS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE SECURITY AGREEMENT SHALL BE LITIGATED IN SUCH COURTS. ASSIGNOR EXPRESSLY SUBMITS AND CONSENTS TO THE JURISDICTION OF THE AFORESAID COURTS AND WAIVES ANY DEFENSE OF FORUM NON CONVENIENS. ASSIGNOR HEREBY WAIVES PERSONAL SERVICE OF ANY AND ALL PROCESS AND AGREES THAT ALL SUCH SERVICE OF PROCESS MAY BE MADE UPON ASSIGNOR BY CERTIFIED OR REGISTERED MAIL, RETURN RECEIPT REQUESTED, ADDRESSED TO ASSIGNOR AT THE ADDRESS SET FORTH IN THIS AGREEMENT AND SERVICE SO MADE SHALL BE COMPLETED WITHIN TEN (10) DAYS AFTER THE SAME HAS BEEN POSTED.

8. JURY TRIAL WAIVER. ASSIGNOR AND SECURED PARTY HEREBY WAIVE THEIR RESPECTIVE RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF THIS AGREEMENT AND THE SECURITY AGREEMENT. ASSIGNOR AND SECURED PARTY EACH ACKNOWLEDGE THAT THIS WAIVER IS A MATERIAL INDUCEMENT TO ENTER INTO A BUSINESS RELATIONSHIP, THAT EACH HAS RELIED ON THIS WAIVER IN ENTERING INTO A BUSINESS RELATIONSHIP, THAT EACH HAS RELIED ON THIS WAIVER IN ENTERING INTO THIS AGREEMENT AND THE SECURITY AGREEMENT AND THAT EACH WILL CONTINUE TO RELY ON THIS WAIVER IN THEIR RELATED FUTURE DEALINGS. ASSIGNOR AND SECURED PARTY HEREBY WARRANT AND REPRESENT THAT EACH HAS HAD THE OPPORTUNITY OF REVIEWING THIS JURY WAIVER WITH LEGAL COUNSEL, AND THAT EACH KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS.

IN WITNESS WHEREOF, the parties hereto have duly executed this Assignment as of the date first above written.

**LUMENYTE INTERNATIONAL CORPORATION,  
a California corporation**

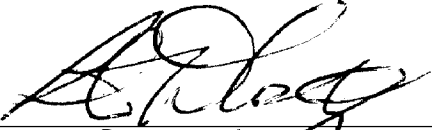
By: *S.R. Willford*  
Name: *S.R. WILLFORD*  
Title: *Chief Executive Officer*

**ROGER K. HUGHES AS SUCCESSOR TRUSTEE  
OF THE MARITAL TRUST CREATED UNDER  
THE PAUL AND JANICE HUGHES REVOCABLE  
TRUST, DATED JANUARY 16, 1985, AS  
AMENDED**

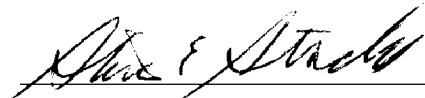
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IN WITNESS WHEREOF, the parties hereto have duly executed this Assignment as of the date first above written.

**LUMENYTE INTERNATIONAL CORPORATION,  
a California corporation**

By:   
Name: *Peter D. Costigan*  
Title: *President*

**ROGER K. HUGHES AS SUCCESSOR TRUSTEE  
OF THE MARITAL TRUST CREATED UNDER  
THE PAUL AND JANICE HUGHES REVOCABLE  
TRUST, DATED JANUARY 16, 1985, AS  
AMENDED**

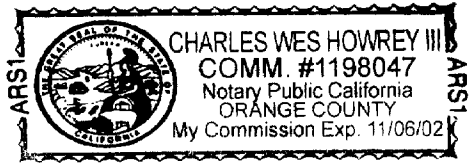
  
*Steven C. Strickler*

STATE OF California )  
COUNTY OF Orange ) SS:

On the 6th day of Oct. in the year 2000 before me, the undersigned, Notary Public in and for said State and County, personally appeared SANDFORD ROBERT WILLFORD, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual(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 individual(s), or the entity upon behalf of which the individuals acted, executed the instrument.

WITNESS my hand and official seal.

Charles Wes Howrey III



(SEAL)

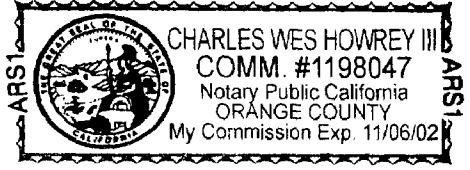


STATE OF California )  
COUNTY OF Orange ) SS:

On the 6 day of Oct. in the year 2000 before me, the undersigned, Notary Public in and for said State and County, personally appeared Peter David Costigan, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual(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 individual(s), or the entity upon behalf of which the individuals acted, executed the instrument.

WITNESS my hand and official seal.

Charles Wes Howrey III

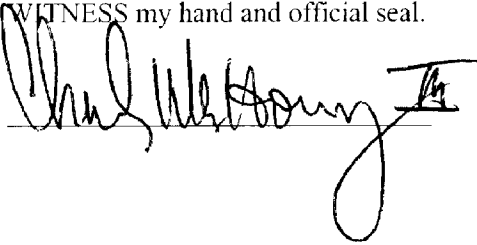


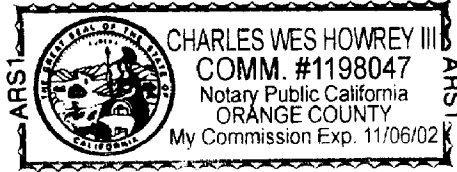
(SEAL)

STATE OF California )  
 ) SS:  
COUNTY OF Orange )

On the 6 day of Oct. in the year 2000 before me, the undersigned, Notary Public in and for said State and County, personally appeared Steven Edward Strickler, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual(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 individual(s), or the entity upon behalf of which the individuals acted, executed the instrument.

WITNESS my hand and official seal.





(SEAL)

**SCHEDULE A**

**I. PENDING PATENT APPLICATIONS<sup>1</sup>**

5586-01065

STATUS: Pending

United States

REGULAR

APPLN. DT/NO: 15JA1998

09/007402

PATENT NO./GRNT DT:

TITLE: PROCESS AND METHOD FOR PRODUCTION OF OPTICAL FIBERS

DESCRIPTION: This patent application is based on provisional patent application Serial No. 60/035,515, filed January 15, 1997. This application relates to the production of large core polymeric optical fibers (LCPOF) by using a process in a reactor adapted to provide differential pressure between the inside of the cladding and the outside of the cladding during the manufacturing process.

During preparation of the Lumenyte application, U.S. Patent No. 5,684,913 ('913), assigned to Bridgestone Corporation, came to our attention. The Bridgestone '913 patent also has claims directed to a differential pressure method for manufacturing LCPOF; however, Lumenyte's inventive efforts appear to pre-date those of the '913 patent inventors. During prosecution of this application, we have taken steps to provoke an "Interference" with the '913 patent concerning claims 7-11 of the present application. The Patent Office has presently rejected claim 11 of the Lumenyte application on the ground of ambiguity with respect to certain language in the claim. In order to continue prosecution of this application and provoke the Interference, we must reply to the outstanding rejection. The initial due date for response is August 5, 2000, with extensions available up to and including November 6, 2000. Once the rejection to the wording of claim 11 is overcome, it is expected that the Patent Office will declare an "Interference" proceeding and we will then seek to invalidate the Bridgestone '913 patent in favor of a patent by Lumenyte covering this differential pressure technology.

EXPIRATION DATE:

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<sup>1</sup> The status of the Lumenyte patents and patent applications are provided in the following format: First, the Small Larkin, LLP client matter number is provided, if applicable. Next, the status for all applications listed as pending means that the application has been filed with a patent office and the application is in some stage of prosecution, with exceptions relating to only those applications which have become abandoned due to failure to pay appropriate fees and for which a reinstatement is possible. Next is listed the country in which the application is pending or the patent issued, and an indication of the type of patent or patent application. The term "REGULAR" indicates a regular utility patent or patent application. The term "PROVISIONAL" refers to a provisional patent application. The term "RE-REGISTER" refers to a practice unique to Hong Kong and Singapore, and provides for the re-registration in those jurisdictions of previously filed and/or issued European or Great Britain patent applications or patents. The term "UTILITY MODEL" is a term used in the Japanese practice to refer to a patent that is utilitarian. The term "APPLN.DT/NO:" refers to the date of filing of the application for patent, from the records of the patent office in question, and the patent application serial number assigned to the application by the patent office in question. The term "PATENT NO /GRNT DT:" refers to the patent's number and the date of grant, or date of issuance of the patent. No patent number or grant date information is provided for pending patent applications, but is provided in the section of Schedule 4.18.1 directed to issued patents. The term "TITLE" refers to the title of the patent or patent application. The term "DESCRIPTION" refers to a short description of the family history and relationships of the particular patent or patent application to other Lumenyte patent applications and/or patents, and provides a summary description of the subject matter for which the patent is sought and other relevant information. The term "EXPIRATION DATE" refers to the date that a patent would expire, assuming any maintenance fee, tax or other required payment is timely made. For pending applications no expiration date is given. The term "NEXT TAX DUE" identifies the date when some tax, or equivalent payment to an authority such as a patent office is due in order to maintain the application pending and/or the issued patent or registration in force. In some instances this field will be left blank, indicating that no tax is due. For example, the U.S. does not require payment of any tax for any pending patent application; however, many foreign countries require the payment of annual taxes to maintain an application in a pending status. Moreover, some of those countries require payments to be made in other than an annual basis. For example, in Europe, the first three years of annual taxes are normally paid upon the filing of the application. The next tax due information is based on Small Larkin records.

NEXT TAX DUE:

5586-01085

STATUS: Pending

United States

REGULAR

APPLN. DT/NO: 28OC1998 09/171897

PATENT NO./GRNT DT:

TITLE: FIRE RETARDANT AND/OR SELF-EXTINGUISHING FIBER OPTIC ASSEMBLIES

DESCRIPTION: This application is directed to various fire retardant and/or self-extinguishing fiber optic assemblies. The application is awaiting a first examination at the U.S. Patent and Trademark Office.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01088

STATUS: Pending

United States

REGULAR

APPLN. DT/NO: 11SE1998 09/151620

PATENT NO./GRNT DT:

TITLE: POLYMERIC OPTICAL FIBER FORMULATION, METHOD OF FABRICATION AND USES THEREFOR

DESCRIPTION: This application is a divisional application of United States application Serial No. 08/605,830 in the name of 3M and Lumenyte International Corporation. It is believed that this application is directed to the formulation used in the core of the product commercially sold as STA-FLEX. 3M has responsibility for prosecuting this application. We have requested that 3M keep us informed and have been provided with information by 3M up to September 24, 1998. We have had no communication from 3M regarding this application since September 24, 1998.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01096

STATUS: Pending

United States

REGULAR

APPLN. DT/NO: 27SE1999 09/402102

PATENT NO./GRNT DT:

TITLE: LINEAR LIGHT FORM WITH LIGHT DIVERTING LAYER

DESCRIPTION: This application is a U.S. application based on international application under the Patent Cooperation Treaty ("PCT") Serial No. PCT/US98/06078, filed March 27, 1998, which in turn was based on a U.S. provisional application Serial No. 60/014,222 filed March 27, 1996. This application relates to a fiber optic having a light diverting outer layer that reflects and/or refracts ambient light directed towards the conduit. Simultaneous with filing the international application under the PCT, a corresponding U.S. application Serial No. 08/826,168 was filed on March 27, 1997. That U.S. application became U.S. Patent 5,903,695. The U.S. application based on the international application was filed to provide the option for additional claim coverage beyond that provided in the '965 patent. Application 09/402,102 is awaiting initial examination.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01101

STATUS: Pending

United States

PROVISIONAL

APPLN. DT/NO: 28OC1999 60/162088

PATENT NO./GRNT DT:

**TITLE: MANIPULATION OF LIGHT IN LINEAR EMITTING OPTICAL FIBERS**

**DESCRIPTION:** This invention is related to using LED light sources in which the beam from the LED fills, but not over fills the cross-sectional area of the optical fiber from opposite ends, and adjusting the amount of power into each side, to thereby create a new color where the colors intersect and create a region of a particular color that can be made to move along the axis of the fiber in a pre-determined way. This provisional application was filed on October 28, 1999, and will become abandoned on October 28, 2000, unless it is converted before that time into an international or U.S. utility patent application.

**EXPIRATION DATE: 28OC2000**

**NEXT TAX DUE:**

5589-01089

STATUS: Pending

United States

REGULAR

APPLN. DT/NO: 25MY1999 09/318054

PATENT NO./GRNT DT:

**TITLE: OPTICAL FIBERS AND PROCESSES AND APPARATUS FOR MAKING THE SAME**

**DESCRIPTION:** Application 09/318,054 is a continuation (i.e., a photocopy) of application Serial No. 09/007,402 (5586-1065). The '402 application was filed with, and contains only those claims not believed to be interfering with the Bridgestone '913 patent. The present application was filed on May 25, 1999, and is awaiting its initial examination. Its parent, application Serial No. 09/007,402 (5586-1065) contains the claims which are believed to interfere with the Bridgestone issued '913 patent, and which pre-date the Bridgestone patent.

**EXPIRATION DATE:**

**NEXT TAX DUE:**

5586-01066

STATUS: Pending

Australia

REGULAR

APPLN. DT/NO: 18MR1998 697468

PATENT NO./GRNT DT:

TITLE: COMPOSITION AND APPARATUS FOR MAKING A HIGH TEMPERATURE PLASTIC LIGHT CONDUIT

DESCRIPTION: Australian Application No. 697468 is a divisional application of a prior Australian application (5586-1038) now abandoned, and is based on Lumenyte patent application Serial No. 883,350, filed July 8, 1986. This U.S. application formed the basis for three U.S. patents, all of which have expired. An opposition was filed to this Australian application by Light Transmission Cables Party Ltd., and we are presently awaiting a decision by the Hearing Officer. If the present Australian application is granted, it will expire July 8, 2007.

EXPIRATION DATE:

NEXT TAX DUE: 08JL2001

5586-01100

STATUS: Pending

Australia

REGULAR

APPLN. DT/NO: 27MR1998 67815/98

PATENT NO./GRNT DT:

TITLE: LINEAR LIGHT FORM WITH LIGHT DIVERTING LAYER

DESCRIPTION: This Australian application corresponds to (5586-1096) above. In light of the importance attached to this application, a request for examination and payment of an examination fee was made in May 2000. This application is awaiting an initial examination by the Australian Patent Office.

EXPIRATION DATE:

NEXT TAX DUE: 27MR2003

5586-01017

STATUS: Pending

Canada

REGULAR

APPLN. DT/NO: 30JA1990 2008931-8

PATENT NO./GRNT DT:

TITLE: IMPROVED LINEAR OPTICAL CONDUIT, SYSTEM AND METHOD OF MANUFACTURE

DESCRIPTION: This Canadian application is directed to the jacketed, clad Lumenyte fiber optic as disclosed, for example, in U.S. Reissue Patent No. 36157 (5586-1044). On November 19, 1997, the Canadian application was voluntary amended to include what was then believed to be the best and broadest claim coverage based on extensive examination and prosecution in the U.S. and several foreign countries. The amended application is awaiting examination.

EXPIRATION DATE:

NEXT TAX DUE: 30JA2001

5586-01074

STATUS: Pending

Canada

REGULAR

APPLN. DT/NO: 17JA1997 2241838

PATENT NO./GRNT DT:

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: This Canadian patent application corresponds to the side lighting optical conduit disclosed in U.S. Patent No. 5,987,199, that issued November 16, 1999 (5586-1082). The Canadian patent application was based on international application Serial No. PCT/US97/00979 filed January 17, 1997. In order to proceed with prosecution of this application, a request for examination must be filed at the Canadian Patent Office no later than January 17, 2002.

EXPIRATION DATE:

NEXT TAX DUE: 17JA2001

5586-01098

STATUS: Abandoned, with Reinstatement Possible

Canada

REGULAR

APPLN. DT/NO: 27MR1998 2285201

PATENT NO./GRNT DT:

TITLE: LINEAR LIGHT FORM WITH LIGHT DIVERTING LAYER

DESCRIPTION: This Canadian application corresponds to the linear light form with multi-layered jacketing invention described in U.S. Patent No. 5,903,695, issued on May 11, 1999 (5586-1055). The Canadian application is based on international Serial No. PCT/US98/06078 filed March 27, 1998. This Canadian application was permitted to become abandoned in accordance with Lumenyte's instruction not to pay the maintenance fee that was due no later than March 27, 2000. The application may be reinstated within 12 months of the maintenance fee due date, by submitting a Petition for Reinstatement, together with payment of both the maintenance fee and a reinstatement fee, the amount of which are unknown at present.

EXPIRATION DATE:

NEXT TAX DUE: 27MR2001



5586-01045

STATUS: Pending

European Patent Convention

REGULAR

APPLN. DT/NO: 30JA1990 96111493.1

PATENT NO./GRNT DT:

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent Application No. 96111493.1 is a divisional of European Application No. 90300974.4, and has a filing date of January 30, 1990. This divisional application is directed to a process of making a flexible clad monofilament linear light conduct by taking a tubular heat shrink fluoropolymer cladding, extruding a manufacturing jacket there over, polymerizing a polymer mixture placed inside the cladding, removing the manufacturing jacket and shrinking the clad. On March 31, 2000, the European Patent Office rejected this application on several grounds including: that claims 1-9 of the present application are considered to be "double patenting" of claims that have previously been granted in the parent application No. 90300974.4; that several issues exist regarding interpretation and ambiguity of wording used in the claims; and that the subject matter of the present claims is rendered obvious by the subject matter described in two prior U.S. patents. The original deadline to reply to the European Patent Office was July 31, 2000. We obtained an extension until September 30, 2000, within which to respond to the Office Action. We are awaiting instructions from Lumenyte on whether to continue prosecution of this application.

EXPIRATION DATE:

NEXT TAX DUE: 31JA2001

5586-01072

STATUS: Pending

European Patent Convention

REGULAR

APPLN. DT/NO: 17JA1997 97905600.9

PATENT NO./GRNT DT:

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: European Patent Application No. 97905600.9 is directed to the side lighting optical conduit and corresponds to U.S. Patent No. 5,987,199 (5586-1082). This application was published in the European Patent Bulletin on December 8, 1999, with Publication No. 1961901. In the event the European patent issues on this application, it will bear Patent No. 1961901. This application is awaiting an initial examination on the merits.

EXPIRATION DATE:

NEXT TAX DUE: 31JA2001

5586-01097

STATUS: Lapsed, Reinstatement Available Until September 27, 2000.

European Patent Convention

REGULAR

APPLN. DT/NO: 27MR1998 98913207.1

PATENT NO./GRNT DT:

TITLE: LINEAR LIGHT FORM WITH LIGHT DIVERTING LAYER

DESCRIPTION: European Patent Application 98913207.1 is directed to the linear light form with light diverting layer, as described in U.S. Patent No. 5,903,695 (5586-1055). Per instructions from Lumenyte, the maintenance fee of \$566.19 due March 27, 2000, was not paid. This application is now lapsed, with reinstatement available by payment of the tax together with a late fee due no later than September 27, 2000. The amount of the late fee is unknown.

EXPIRATION DATE:

NEXT TAX DUE: 31MR2001

5586-01083

STATUS: Pending

Hong Kong

RE-REGISTER

APPLN. DT/NO: 30JA1990 98113976.4

PATENT NO./GRNT DT:

TITLE: IMPROVED LINEAR OPTICAL CONDUITS, SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: This Hong Kong Application No. 98113976.4 is to register in Hong Kong, for enforcement purposes, corresponding European Application No. 96111493.1 (5586-1045), when the European application is granted as a patent. The deadline to complete formalities in this Hong Kong application will be six months after the grant date of the corresponding European application.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01019

STATUS: Pending

Japan

REGULAR

APPLN. DT/NO: 30JA1990 021912/1990

PATENT NO./GRNT DT:

TITLE: OPTICAL CONDUIT WITH THERMOPLASTIC

DESCRIPTION: Japanese Patent Application 021912/1990 is directed to the jacketed clad core fiber optic. The present application contains 53 claims, that correspond to the claims considered to be the best and broadest claims available, and as a result of prosecution before various patent offices around the world. In July, 2000, we replied to an Official Action which rejected the claims for various reasons. The reply attacks the logic used by the Japanese Patent Office in rejecting the claims. We are awaiting a reconsideration of the application based on the reply.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01076

STATUS: Pending

Japan

REGULAR

APPLN. DT/NO: 17JA1997 526287/1997

PATENT NO./GRNT DT:

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: Japanese Patent Application No. 526287/1997 is directed to the side lighting optical conduit, and corresponds to U.S. Patent No. 5,987,199 (5586-1082). This application is directed to an optical fiber conduit including an optical fiber core surrounded by a cladding with a reflective material, or holder and/or reflector attached adjacent to or in contact with the cladding. The fiber optic may include a plurality of illuminators that are formed by uniform cuts in the optical fiber core to emit light perpendicularly along the length of the conduit and outwardly. Various beam patterns may be formed by altering the shape of the optical fiber core. The cut optical fiber is embedded in a clear environmentally protective coating to protect the cuts from dust, moisture and other environmental hazards, and to maintain the alignment of the holder and/or reflector. The deadline to file a request for examination is January 17, 2004.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01099

STATUS: Pending

Japan

UTILITY MO

APPLN. DT/NO: 27MR1998 544497/1998

PATENT NO./GRNT DT:

TITLE: LINEAR LIGHT FORM WITH LIGHT DIVERTING LAYER

DESCRIPTION: Japanese Application No. 544497/1998 corresponds to U.S. Patent No. 5,903,695 (5586-1055). This application is directed to a fiber optic conduit having a light diverting outer layer that reflects and/or refracts ambient light directed towards the conduit. The fiber optic conduit includes the light transmitting core, a fluoropolymer cladding and a jacket. The light diverting layer is either inserted between the cladding and the jacket or surrounds the jacket. The light diverting layer preferably has the property of allowing light to be transmitted from the fiber optic surface out of the conduit in one direction and reflecting ambient light directed towards the conduit. The formalities have been perfected in this application; however, it has not been examined. The deadline for requesting examination of this application is March 27, 2005.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01080

STATUS: Pending

Korea South

REGULAR

APPLN. DT/NO: 17JA1997 705475/1998

PATENT NO./GRNT DT:

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: Korean Patent Application No. 705475/1998 corresponds to U.S. Patent No. 5,987,199 (5586-1082). The formalities have been perfected in this application; however, it has not been examined. The deadline for requesting examination of this application is January 17, 2002.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01077

STATUS: Pending

Mexico

REGULAR

APPLN. DT/NO: 17JA1997 985716

PATENT NO./GRNT DT:

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: Mexican Patent Application No. 985716 corresponds to U.S. Patent No. 5,987,199 (5586-1082). The formalities have been perfected in this Mexican application, and we are now awaiting initial examination.

EXPIRATION DATE:

NEXT TAX DUE:

5586-01078

STATUS: Pending

New Zealand

REGULAR

APPLN. DT/NO: 17JA1997 330157

PATENT NO./GRNT DT:

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: New Zealand Patent Application No. 330157 corresponds to U.S. Patent No. 5,987,199 (5586-1082).

This application has been examined and accepted. Our New Zealand associate has requested "sealing" of the patent. We are awaiting receipt of the Letters Patent.

EXPIRATION DATE:

NEXT TAX DUE: 17JA2001

5586-01093

STATUS: Pending

Patent Cooperation Treaty

UTILITY MO

APPLN. DT/NO: 10AU1999 PCT/US99/18136

PATENT NO./GRNT DT:

TITLE: FIBEROPTIC CONDUIT AND PROCESSES OF MANUFACTURE

DESCRIPTION: International Patent Application No. PCT/US99/18136 is based on a U.S. provisional patent application filed August 10, 1998. This international application is directed to an improved polymeric optical fiber and method of manufacture that includes the manufacture of flexible, a cross-linked light transmitting core and enhancing the surface of the light transmitting core, modifying the surface of the light transmitting core and/or coating of the light transmitting core with a relatively lower refractive index material in a manner to render the surface of the light transmitting core smoother than the surface of conventional light transmitting core and/or to adhere a cladding to the light transmitting core that is thin relative to conventional cladding. One embodiment of this invention includes using a heated mandrel in the extrusion process to minimize temperature gradients and, optionally, the use of a poly(ethylene) material as the tube within which the core is manufactured. In another embodiment, the core is dipped into a liquid having the same index of refraction as the light transmitting core, with the liquid filling in the small deviations from perfection in the surface of the light transmitting core to thereby render a smoother surfaced core. This international application is pending, and the deadline for converting this international application into national/regional applications is February 10, 2001, in most countries, with a different, later date in several countries.

EXPIRATION DATE:

NEXT TAX DUE:

## II. GRANTED PATENTS<sup>2/</sup>

5586-01009

STATUS: Granted

United States

REGULAR

APPLN. DT/NO: 30JA1989 07/304417

PATENT NO./GRNT DT: 4957347 18SE1990

TITLE: CLAD OPTICAL CONDUIT AND METHOD OF MANUFACTURE

DESCRIPTION: U.S. Patent No. 4,957,347 is directed to the flexible, clad monofilament optical fiber having a heat shrinkable fluoropolymer as the cladding, and methods of manufacturing of the conduit having the heat shrinkable cladding. The original patent is in the Small Larkin file.

EXPIRATION DATE: 30JA2009

NEXT TAX DUE: 18MR2002

5586-01010

STATUS: Granted, Reissued

United States

REGULAR

APPLN. DT/NO: 06NO1991 07/789610

PATENT NO./GRNT DT: 5221387 22JE1993

TITLE: METHOD OF MANUFACTURE OF IMPROVED LINEAR OPTICAL CONDUIT

DESCRIPTION: U.S. Patent No. 5,221,387 issued on June 22, 1993. The '387 patent has 26 claims directed to various methods of making a jacketed, clad large core fiber optic. U.S. Patent No. 5,221,387 was surrendered to the Patent Office as a requirement of obtaining Reissue Patent No. 36157, client matter No. 5586-1044.

EXPIRATION DATE: 22JE2010

NEXT TAX DUE: 22DE2000

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<sup>2</sup> A search of the U.S. Patent and Trademark Office ("PTO") records available through the internet produced a listing of fourteen (14) patents owned by Lumenyte. A request was made to the PTO to verify the status of these patents. The PTO's report verifying the status, dated August 7, 2000, stated that 7 of the patents had expired (U.S. Patent Nos. 5,298,327; 5,225,166; 5,149,467; 5,122,580; 5,052,778; 4,782,430; and 4,704,660). Small Larkin files indicate that 6 of the patents had expired. It appears that the PTO's report is incorrect concerning Patent No. 5,052,778, because the Small Larkin file has a Maintenance Fee Statement from the PTO indicating that the last maintenance fee was paid. The 8 U.S. patents listed in Schedule 4.18.1 include Patent No. 5,052,778. Also, although U.S. Patent No. 5,221,387 (5586-1010) is listed on this Schedule, it has been surrendered in favor of reissue Patent No. RE 36,157. Also, a patent title report from the records of the United States Patent and Trademark Office indicates that Imperial Bank has filed a Security Interest against the patents. The information in the title report is somewhat ambiguous. It is recommended that copies of the actual documents filed by Imperial Bank be obtained and reviewed, or that Imperial Bank be contacted to learn of the precise nature and status of Imperial Bank's claimed security interest.

5586-01011

STATUS: Granted

United States

REGULAR

APPLN. DT/NO: 13AU1990 07/566726

PATENT NO./GRNT DT: 5052778 01OC1991

TITLE: OPTICAL CONDUIT WITH THERMOPLASTIC CLAD

DESCRIPTION: U.S. Patent No. 5,052,778 issued on October 1, 1991. The '778 patent has 2 claims directed to a flexible, clad monofilament conduit having a tubular flexible un-shrunk and heat shrinkable cladding surrounding the core and a tubular, thermoplastic jacket made of polyethylene and a similar conduit in which the thermoplastic jacket is made of polyvinyl chloride. The communication from the U.S. Patent and Trademark Office states that this patent is expired for failure to pay the 8 year maintenance fee no later than October 1, 1999. The Small Larkin file has a maintenance fee statement received on April 16, 1999 stating that the 8 year fee has been paid. The original patent is in the Small Larkin file.

EXPIRATION DATE: 13AU2010

NEXT TAX DUE: 01AP2003

5586-01014

STATUS: Granted

United States

REGULAR

APPLN. DT/NO: 13DE1989 07/446011

PATENT NO./GRNT DT: 5067831 26NO1991

TITLE: LINEAR OPTICAL CONDUITS

DESCRIPTION: U.S. Patent No. 5,067,831 issued on November 26, 1991. The '831 patent has 16 claims directed to a finished jacketed clad core linear light conduit. The original patent is in the Small Larkin file.

EXPIRATION DATE: 30JA2009

NEXT TAX DUE: 26MY2003

5586-01044

STATUS: Granted

United States

REGULAR

APPLN. DT/NO: 21AU1996 08/701199

PATENT NO./GRNT DT: RE36157 23MR1999

TITLE: METHODS OF MANUFACTURE OF IMPROVED LINEAR OPTICAL CONDUITS

DESCRIPTION: U.S. Reissue Patent No. RE 36157 issued on March 23, 1999. This is a reissue of U.S. Patent No. 5,221,387 (5586-1010). In this reissue application, all of original claims 1-26 were reissued in their original form, and new claims 27-45 were added. The original RE 36157 patent is in the Small Larkin file.

EXPIRATION DATE: 06NO2011

NEXT TAX DUE: 22DE2000

5586-01055

STATUS: Granted

United States

REGULAR

APPLN. DT/NO: 27MR1997 08/826168

PATENT NO./GRNT DT: 5903695 11MY1999

TITLE: LINEAR LIGHT FORM WITH LIGHT DIVERTING LAYER

DESCRIPTION: U.S. Patent No. 5,903,695 is directed to a fiber optic conduit having a light diverting outer layer that reflects and/or refracts ambient light directed towards the conduit. The fiber optic conduit includes a light transmitting core clad with fluoropolymer cladding is subsequently jacketed with a polymeric finish jacket. The light diverting layer is inserted either between the cladding and the jacket or surrounds the jacket. The light diverting layer preferably has the property of allowing light to be transmitted from the fiber optic surface out of the conduit in one direction, but reflects ambient light directed towards the conduit. When reflecting ambient light, the fiber optic conduit appears in the form of chrome trim. The original Letters Patent was mailed to Jim Zarian of Lumenyte International Corporation on May 28, 1999.

EXPIRATION DATE: 27MR2017

NEXT TAX DUE: 11NO2002

5586-01058

STATUS: Granted

United States

REGULAR

APPLN. DT/NO: 16MY1997 08/857550

PATENT NO./GRNT DT: 5937127 10AU1999

TITLE: LINEAR LIGHT FORM WITH MULTI-LAYERED JACKETING

DESCRIPTION: U.S. Patent No. 5,937,127 is directed to a heat shrink clad-core optical conduit surrounded by multiple layers of jackets and a method of manufacturing the same. The jackets are formed with a thickness and index of refraction that is preferred for generating an "aura" effect. The aura effect appears when light transmitted through the core appears to be traveling seamlessly through the entire core, cladding and jackets and may even appear to illuminate the space surrounding the outer most jacket. The preferred embodiment includes interlacing layers of materials that provide optical characteristics such as diachronic holographic films that are enhanced by the aura effect. The original Letters Patent was mailed to Jim Zarian of Lumenyte International Corporation on August 26, 1999.

EXPIRATION DATE: 16MY2017

NEXT TAX DUE: 10FE2003

5586-01082

STATUS: Granted

United States

REGULAR

APPLN. DT/NO: 17JA1997 09/077202

PATENT NO./GRNT DT: 5987199 16NO1999

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: U.S. Patent No. 5,987,199 is directed to a side lighting optical conduit in which an optical fiber core is surrounded by a cladding with a reflective material, or holder and/or reflector attached adjacent to or in contact with the cladding along its longitudinal length. A plurality of illuminators is formed by uniform cuts in the optical fiber core and they emit reasonably even light perpendicularly along the length of the conduit outwardly. Various beam patterns, ranging from very narrow, to very wide may be obtained by altering the shape of the optical fiber core and/or by the cuts. The cut optical core is embedded in a clear, environmentally protective coating to protect the cuts from dust and moisture and to maintain the alignment of the holder and/or reflector with the optical elements and the optical fiber core. The original Letters Patent was mailed to Jim Zarian of Lumenyte International Corporation on December 16, 1999.

EXPIRATION DATE: 17JA2017

NEXT TAX DUE: 16MY2003

5586-01007

STATUS: Granted

Australia

REGULAR

APPLN. DT/NO: 08JL1987 75325/87  
PATENT NO./GRNT DT: 592654 02JL1997

TITLE: HIGH TEMPERATURE PLASTIC LIGHT CONDUIT AND COMPOSITION OF MATTER THEREFOR

DESCRIPTION: Australian Patent No. 592654 has claims directed to the reactor in which the Lumenyte fiber optic is made, and in particular has claims which include a requirement that the reactor be inclined. The original Australian Letters Patent No. 592654 was mailed to Gregg Whitaker, President of Lumenyte International Corporation on September 23, 1997.

EXPIRATION DATE: 08JL2007  
NEXT TAX DUE: 08JL2001

5586-01016

STATUS: Granted

Australia REGULAR

APPLN. DT/NO: 29JA1990 48881/90

PATENT NO./GRNT DT: 616589 10MR1992

TITLE: IMPROVED LINEAR OPTICAL CONDUIT, SYSTEM AND METHOD OF MANUFACTURE

DESCRIPTION: Australian Patent No. 6165889 has 48 claims to a jacketed, clad core optical fiber. During prosecution of the Australian patent application, the Australian Patent Office required that, in order to obtain patent protection for those claims directed solely to the heat shrink clad conduit, that is, claims 49-55 in the Australian application, a divisional application would be required. On or about January 20, 1992, Lumenyte elected not to file such a divisional application. The original Australian patent was mailed to Jim Zarian of Lumenyte International Corporation on April 2, 1992.

EXPIRATION DATE: 29JA2010  
NEXT TAX DUE: 29JA2001

5586-01038

STATUS: Granted

Australia REGULAR

APPLN. DT/NO: 28MR1996 50357/96

PATENT NO./GRNT DT: 693009 22OC1998

TITLE: COMP & APPARATUS FOR MAKING A HIGH TEMP PLASTIC LIGHT CONDUIT

DESCRIPTION: Australian Patent No. 693009 is a divisional of an Australian application that corresponds to the U.S. application filed July 8, 1986. That U.S. application formed the basis for three U.S. patents, all of which have expired. This Australian patent has claims directed to the polymerization reactor. Claims of this Australian patent do not, except for claim 4, require the reactor to be inclined, but rather are directed to those structures which provide for circulating two different fluids within the reactor so as to raise an interface between the first and second fluids and thereby provide a zone of reaction within which the polymerization takes place. The original Australian Letters Patent No. 693009 was mailed to Gregg Whitaker of Lumenyte on November 30, 1998.

EXPIRATION DATE: 08JL2007  
NEXT TAX DUE: 08JL2001



5586-01073

STATUS: Granted

Australia

REGULAR

APPLN. DT/NO: 17JA1997 22445/97

PATENT NO./GRNT DT: 715687 25MY2000

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: Australian Patent No. 715687 was sealed on May 25, 2000. This Australian Patent is directed to the side lighting optical conduit corresponding to U.S. Patent No. 5,987,199 (5586-1082). The original patent was received at Small Larkin on June 16, 2000, and remains in the Small Larkin file. This Australian patent has 14 claims directed to a linear light conduit that includes a holder positioned in contact with the cladding and adjacent to an illuminator, with the holder being of a shape that does not conform to the cladding and thereby forms an air gap between the cladding and the holder and a jacket surrounding the optical fiber, cladding and holder. Various other details are provided in various claims of the patent.

EXPIRATION DATE: 17JA2017

NEXT TAX DUE: 17JA2002

5586-01018

STATUS: Granted

Austria

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: Austrian Patent No. 0381461 corresponds to the invention disclosed in U.S. Patent No. RE 36,157. The Austrian patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. The translation required by Austria was sent by Federal Express to Gregg Whitaker, President of Lumenyte International Corporation on September 24, 1997.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Austria

REGULAR

APPLN. DT/NO: 08JL1987 EPO254915

PATENT NO./GRNT DT: E154280 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: Austria Patent No. E154280 issued from the European Patent Office on June 11, 1997. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The Austrian patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. The translation required by Austria was mailed to Gregg Whitaker on April 1, 1998.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE: 31JL2001

5586-01018

STATUS: Granted

Belgium

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 (5586-1018) is in force in Belgium, and is directed to the jacketed, clad fiber optic. No separate translation was required by Belgium.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Belgium

REGULAR

APPLN. DT/NO: 06JL1987 87109724.2

PATENT NO./GRNT DT: 0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. 0254915 (5586-1021) is in force in Belgium. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The Belgian patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. No separate translation was required by Belgium.

EXPIRATION DATE: 06JL2007

NEXT TAX DUE: 31JL2001

5586-01018

STATUS: Granted

Denmark

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in Denmark. What appears to be the original Danish translation is in the Small Larkin file. No transmittal letter forwarding the original to Lumenyte was located.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01018

STATUS: Granted

European Patent Convention

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 issued from the European Patent Office on June 11, 1997. This patent corresponds to the invention described in U.S. RE 36,157. The European patent has 38 claims directed to various features of the jacketed, clad core fiber optic and the process of manufacture. The original European patent was mailed to Gregg Whitaker, President, Lumenyte International Corporation, on August 7, 1997. Pursuant to Article 65(1) of the European Patent Convention, a number of European countries require a translation of the specification of the European patent in the official language or one of their official languages. Those countries are Austria, Belgium, Switzerland, Liechtenstein, Germany, Spain, France, United Kingdom, Greece, Netherlands, Sweden and Italy. Therefore, because we prosecuted this European application in the English language, each of the above-listed countries that does not have English as one of their official languages, requires a translation. Accordingly, prior translations were obtained, and forwarded to Lumenyte as indicated in the specific country designations for this patent. Inasmuch as enforcement of a European patent is done on a country-by-country basis, a separate entry is made in this schedule for each of the countries that were designated in the application for patent at the European Patent Office.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE:

5586-01021

STATUS: Granted

European Patent Convention

REGULAR

APPLN. DT/NO: 06JL1987 87109724.2

PATENT NO./GRNT DT: EP0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. EPO254915 issued from the European Patent Office on June 11, 1997. This patent is based on the Lumenyte Patent Application Serial No. 883,350, filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The Austrian patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. The original European patent was mailed to Gregg Whitaker, President, Lumenyte International Corporation, on August 7, 1997. Pursuant to Article 65(1) of the European Patent Convention, a number of European countries require a translation of the specification of the European patent in the official language or one of their official languages. Those countries are Austria, Belgium, Switzerland, Liechtenstein, Germany, Spain, France, United Kingdom, Greece, Netherlands, Sweden and Italy. Therefore, because we prosecuted this European application in the English language, each of the above-listed countries that does not have English as one of their official languages requires a translation. Accordingly, the required translations were obtained, and forwarded to Lumenyte as indicated in this Schedule by specific country designations. Inasmuch as enforcement of a European patent is done on a country-by-country basis, a separate entry is made in this schedule for each of the countries that are designated in the application for patent at the European Patent Office.

EXPIRATION DATE: 06JL2007

NEXT TAX DUE:

5586-01018

STATUS: Granted

France

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in France. A copy of the translation required by France was sent by Federal Express to Gregg Whitaker, President of Lumenyte International Corporation on August 12, 1997. The original translation is in the Small Larkin file.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

France

REGULAR

APPLN. DT/NO: 06JL1987 87109724.2

PATENT NO./GRNT DT: EP0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. 254915 is in force in France. No translation and no transmittal letter was located.

EXPIRATION DATE: 06JL2007

NEXT TAX DUE: 31JL2001

5586-01018

STATUS: Granted

Great Britain

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in Great Britain. No translation was required.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 30JA2001

5586-01021

STATUS: Granted

Great Britain

REGULAR

APPLN. DT/NO: 06JL1987 87109724.2

PATENT NO./GRNT DT: EP0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC

LIGHT

DESCRIPTION: European Patent No. 0254915 is in force in Great Britain. No translation was required.

EXPIRATION DATE: 06JL2007

NEXT TAX DUE: 06JL2001

5586-01018

STATUS: Granted

Germany

REGULAR

APPLN. DT/NO: 30JA1990 0381461

PATENT NO./GRNT DT: P69030208.8-08 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: German Patent No. P69030208.8-08, issued from the European Patent Office, corresponding Application No. 90300974.4. The German patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. The original translation required by Germany was sent to Gregg Whitaker, President of Lumenyte on March 7, 1997.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Germany

REGULAR

APPLN. DT/NO: 06JL1987 EPO0254915

PATENT NO./GRNT DT: P3752077.6 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC

LIGHT

DESCRIPTION: German Patent No. P3752077.6 issued from the European Patent Office corresponding to Application No. EP 00254915. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The German patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. The translation required by Germany was mailed to Gregg Whitaker, President, Lumenyte International Corporation, April 1, 1998.

EXPIRATION DATE: 06JL2007

NEXT TAX DUE: 31JL2001

5586-01018

STATUS: Granted

Greece

REGULAR

APPLN. DT/NO: 30JA1990 0381461

PATENT NO./GRNT DT: 970401096 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: Greece Patent No. 970401096 issued from the European Patent Office, Application No. 90300974.4. The Greek patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. The Small Larkin records indicate that the original patent was hand delivered to Gregg Whitaker, President of Lumenyte International Corporation on February 6, 1998. A ribboned copy of this patent is also in the Small Larkin file.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 30JA2001

5586-01021

STATUS: Granted

Greece

REGULAR

APPLN. DT/NO: 06JL1987 87109724.2

PATENT NO./GRNT DT: 0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: Greece Patent No. EPO0254915 issued from the European Patent Office on June 11, 1997 corresponding to Application No. 87109724.2. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This formed the basis for three patents in the U.S., all of which are now expired. The Greek patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. The translation required by Greece was mailed to Gregg Whitaker, President, Lumenyte International Corporation, on November 14, 1997.

EXPIRATION DATE: 06JL2007

NEXT TAX DUE: 06JL2001

5586-01070

STATUS: Granted

Hong Kong

REGULAR

APPLN. DT/NO: 17JE1998 98105565.7

PATENT NO./GRNT DT: HK1006552 05MR1999

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: Hong Kong Patent No. HK 1006552 has 50 claims directed to methods and apparatus for manufacturing Lumenyte's large core fiber optic conduits, based on European Application 98105565.7, which corresponds to the U.S. application filed on July 8, 1986, Serial No. 883,350. This application formed the basis for three U.S. patents, all of which are now expired. This Hong Kong patent is a confirmation of the previously issued European Patent. In obtaining patent protection in Hong Kong based on a European or British patent, when the European British application proceeds through grant, the grant and specification are merely recorded in Hong Kong, as was done in this case. Therefore, no separate Hong Kong patent issues and as such, no separate Hong Kong patent has been received by Small Larkin, or forwarded to Lumenyte. Rather, an official filing receipt of lodging of a request to confirm the European patent was provided, and that receipt was forwarded to Gregg Whitaker, President, Lumenyte International Corporation, on August 24, 1998.

EXPIRATION DATE: 06JL2007

NEXT TAX DUE: 06JL2002

5586-01071

STATUS: Granted

Hong Kong

REGULAR

APPLN. DT/NO: 30JA1990 98105558.6

PATENT NO./GRNT DT: HK1006593 05MR1999

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: Hong Kong Patent No. HK1006593 is a confirmation of the corresponding European patent which has 38 claims directed to the process of manufacture and a linear light conduit including a jacketed, clad core. This Hong Kong patent is essentially a confirmation of the previously issued European Patent. In obtaining patent protection in Hong Kong based on a European or British patent, when the European British application proceeds through grant, the grant and specification are merely recorded in Hong Kong, as was done in this case. Therefore, no separate Hong Kong patent issues and as such, no separate Hong Kong patent has been received by Small Larkin, or forwarded to Lumenyte. Rather, an official filing receipt of lodging of a request to confirm the European patent was provided, and that receipt was forwarded to Gregg Whitaker, President, Lumenyte International Corporation, on August 24, 1998.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 30JA2001

5586-01018

STATUS: Granted

Italy

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in Italy, and corresponds to and issued from the European Patent Office, Application No. 90300974.4. The patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. The translation required by Italy was sent by Federal Express to Gregg Whitaker, President of Lumenyte International Corporation on August 12, 1997.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Italy

REGULAR

APPLN. DT/NO: 08JL1987 87109724.2

PATENT NO./GRNT DT: EP0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: Italian Patent No. EPO254915 is in force in Italy and issued from the European Patent Office on June 11, 1997 Application No. 87109724.2. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The Italian patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. The translation required by Italy was mailed to Gregg Whitaker, President, Lumenyte International Corporation, on November 14, 1997.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE: 31JL2001

5586-01041

STATUS: Granted

Japan

REGULAR

APPLN. DT/NO: 09MR1987 052252/1987

PATENT NO./GRNT DT: 2820682 28AU1998

TITLE: HIGH TEMPERATURE PLASTIC LIGHT CONDUIT & COMP OF MATTER

DESCRIPTION: Japanese Patent No. 2820682 has 9 claims directed to the optical light conduit disclosed in Lumenyte's U.S. application filed July 8, 1986, U.S. Application Serial No. 883350. The corresponding U.S. application produced three U.S. patents, all of which are now expired. The original Japanese patent was mailed to Gregg Whitaker, President, Lumenyte International Corporation on November 30, 1998.

EXPIRATION DATE: 09MR2007

NEXT TAX DUE: 28AU2001

5586-01056

STATUS: Granted

Japan

REGULAR

APPLN. DT/NO: 21MR1997 068482/1997

PATENT NO./GRNT DT: 2895459 26JA1999

TITLE: COMPOSITION OF A LIGHT CONDUIT

DESCRIPTION: Japanese Patent No. 2895459 includes 21 claims directed to the reactor and method of operating the reactor to produce the fiber optic conduit as originally disclosed in corresponding U.S. Application Serial No. 883350, filed July 8, 1986. The corresponding U.S. application led to three U.S. patents, all of which are now expired. The original Japanese patent was received on June 3, 1999, and remains in the Small Larkin file.

EXPIRATION DATE: 09MR2007

NEXT TAX DUE: 26JA2002

5586-01021

STATUS: Granted

Liechtenstein

REGULAR

APPLN. DT/NO: 08JL1987 87109724.2

PATENT NO./GRNT DT: EP0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. EPO0254915 is in force in Liechtenstein and issued from the European Patent Office on June 11, 1997 Application No. 87109724.2. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. No separate translation was required.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE:



5586-01018

STATUS: Granted

Luxembourg

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in Luxembourg, and issued from the European Patent Office, Application No. 90300974.4. The patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. No separate translation is required.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Luxembourg

REGULAR

APPLN. DT/NO: 08JL1987 87109724.2

PATENT NO./GRNT DT: 0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. 0254915 is in force in Luxembourg, and issued from the European Patent Office on June 11, 1997, Application No. 87109724.2. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. No separate translation is required.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE: 31JL2001

5586-01018

STATUS: Granted

Netherlands

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in the Netherlands and issued from the European Patent Office, Application No. 90300974.4. The patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. The translation required by the Netherlands was sent by Federal Express to Gregg Whitaker, President of Lumenyte International Corporation on August 12, 1997.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Netherlands

REGULAR

APPLN. DT/NO: 08JL1987 87109724.2

PATENT NO./GRNT DT: 0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. 0254915 is in force in the Netherlands, and issued from the European Patent Office on June 11, 1997, Application No. 87109724.2. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The Small Larkin file for this patent is missing.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE: 31JL2001

5586-01081

STATUS: Granted

Singapore

REGULAR

APPLN. DT/NO: 17JA1997 9803840-9

PATENT NO./GRNT DT: 54838 19OC1999

TITLE: SIDE LIGHTING OPTICAL CONDUIT

DESCRIPTION: Singapore Patent No. 54838 has 21 claims directed to a linear light conduit including the monofilament optical fiber, a cladding surrounding the optical fiber, a holder position in contact with the cladding and adjacent to the illuminator and the jacket surrounding the optical fiber cladding and holder. The Singapore patent corresponds to U.S. Patent No. 5,987,199. A copy certificate of grant was mailed to Dr. James R. Zarian, Lumenyte International Corporation, on December 27, 1999. The original certificate of grant remains in the Small Larkin file.

EXPIRATION DATE: 17JA2017

NEXT TAX DUE: 17JA2001

5586-01018

STATUS: Granted

Spain

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in Spain and issued from the European Patent Office, Application No. 90300974.4. The patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. The original translation required by Spain was sent by Federal Express to Gregg Whitaker, President of Lumenyte International Corporation on August 12, 1997.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 30JA2001

5586-01021

STATUS: Granted

Spain

REGULAR

APPLN. DT/NO: 08JL1987 87109724.2

PATENT NO./GRNT DT: EP0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. EP0254915 is in force in Spain and issued from the European Patent Office on June 11, 1997. This U.S. patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. Spanish translation of this patent was sent to Gregg Whitaker, President, Lumenyte International Corporation by Federal Express, on September 24, 1997.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE: 08JL2001

5586-01018

STATUS: Granted

Sweden

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: European Patent No. 0381461 is in force in Sweden and issued from the European Patent Office, Application No. 90300974.4. The patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. A copy of the translation required by Sweden was sent by Federal Express to Gregg Whitaker, President of Lumenyte International Corporation on August 12, 1997.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Sweden

REGULAR

APPLN. DT/NO: 08JL1987 87109724.2

PATENT NO./GRNT DT: EPO0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: European Patent No. EPO0254915 is in force in Sweden and issued from the European Patent Office on June 11, 1997. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The Swedish patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. The Swedish translation was sent to Gregg Whitaker, President, Lumenyte International Corporation, by Federal Express on September 24, 1997.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE: 31JL2001

5586-01018

STATUS: Granted

Switzerland

REGULAR

APPLN. DT/NO: 30JA1990 90300974.4

PATENT NO./GRNT DT: 0381461 19MR1997

TITLE: IMPROVED LINEAR OPTICAL CONDUITS SYSTEMS AND METHODS OF MANUFACTURE

DESCRIPTION: Swiss Patent No. 0381461 issued from the European Patent Office, Application No. 90300974.4. The Austrian patent has 38 claims directed to various features of the jacketed, clad core fiber optic and methods of manufacture. A copy of the translation required by Switzerland was sent by Federal Express to Gregg Whitaker, President of Lumenyte International Corporation on August 12, 1997.

EXPIRATION DATE: 30JA2010

NEXT TAX DUE: 31JA2001

5586-01021

STATUS: Granted

Switzerland

REGULAR

APPLN. DT/NO: 08JL1987 87109724.2

PATENT NO./GRNT DT: EP0254915 11JE1997

TITLE: METHOD, APPARATUS AND COMPOSITION OF MATTER FOR A HIGH TEMPERATURE PLASTIC LIGHT

DESCRIPTION: Swedish Patent No. EPO0254915 issued from the European Patent Office on June 11, 1997. This patent is based on the Lumenyte Patent Application Serial No. 883,350 filed July 8, 1986 in the U.S. This U.S. application formed the basis for three patents in the U.S., all of which are now expired. The patent has 50 claims directed to various features of the Lumenyte fiber optic, the reactor in which it is made, and the process of manufacture. The Small Larkin file for this patent is missing.

EXPIRATION DATE: 08JL2007

NEXT TAX DUE: 31JL2001

### III. PENDING TRADEMARK APPLICATIONS<sup>3</sup>

5586-01034

STATUS: Pending

United States

MARK: STA-FLEX

CLASS: 9 11

GOODS: Electrical and fiber optic conduit; fiber optic conduit; and fiber optic cables.  
Electrical and fiber optic lighting fixtures, both mobile and immobile; fiber optic lighting fixtures; and electrical and fiber optic lighting systems consisting of electrical lighting fixtures and fiber optic lighting fixtures all sold as a unit.

DESCRIPTION: This is an application for registration in the United States in classes 9 and 11 of the mark STA-FLEX. The prosecution stage is near complete, with a substitute specimen, in accordance with the Trademark Office's request, recently submitted to the Trademark Office. It is expected that this substitute specimen will be accepted, and the application for registration of STA-FLEX will proceed normally to registration.

REG DT/NO:

APP DT/NO: 17OC1995 75/006741

RENEWAL DATE:

5586-01035

STATUS: Pending

Comm Trademark

MARK: LUMENYTE

CLASS: 11

GOODS: Installations for lighting; fiberoptic lighting, fiber optic lighting fixtures, fiber optic lighting systems, fiberoptic lighting fittings and portable lighting fixtures.

DESCRIPTION: This matter concerns an application for registration of the mark LUMENYTE in the European common market. The application was opposed, and the opposer was persuaded to withdraw the opposition, based on an amendment to the description of goods. It is expected that a notice will arrive at some time in the near future to the effect that, upon a payment of appropriate fees, estimated to be in the range of \$2,000 - \$2,500, the European registration will issue.

REG DT/NO:

APP DT/NO: 01AP1996 77347

RENEWAL DATE:

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<sup>3</sup> Trademark applications and registrations are presented in a format similar to that for patents. However, the term "REG DT/NO:" refers to the registration date and registration number. Also, unlike patents, trademark registrations can be renewed, hence the provision for a renewal date.

#### IV. REGISTERED TRADEMARKS<sup>4</sup>

5586-01046

STATUS: Registered

United States

MARK: LUMENYTE

CLASS: 11

GOODS: Fiber optic lighting fixtures, both mobile and immobile.

DESCRIPTION: U.S. Registration 2,148,907 for the mark LUMENYTE, is based on an application filed October 23, 1989, by Craig Willford. The mark became registered on June 4, 1991, and appropriate affidavits of continued use have been submitted. The registration will expire on June 4, 2001, unless renewed within the appropriate time limits. Small Larkin took over this file in connection with preparation of the statement of use, in 1996, and received a file from Craig Willford. A letter dated June 27, 1991 indicates that the original certificate of registration was mailed to Lumenyte International Corporation.

REG DT/NO: 04JE1991            1646756  
APP DT/NO: 23OC1989        73/833197  
RENEWAL DATE: 04JE2001

5586-01049

STATUS: Registered

United States

MARK: LUMENYTE

CLASS: 9

GOODS: Electrical and fiber optic conduit; fiber optic conduit; and fiber optic lighting cables.

DESCRIPTION: U.S. Registration 2,148,907 for the mark LUMENYTE in Class 9, was registered on April 7, 1998. An affidavit of continued use must be filed between April 7, 2003 and April 7, 2004 to avoid cancellation. The registration will remain in force for 10 years from the registration date, unless the mark is abandoned or cancelled by law as, for example, by failure to file the affidavit of use. The registration can be renewed on application for renewal that is timely made. The original certificate of registration was mailed to Gregg Whitaker, President, Lumenyte International Corporation, on April 22, 1998.

REG DT/NO: 07AP1998            2,148,907  
APP DT/NO: 07NO1996        75/194829  
RENEWAL DATE: 07AP2008

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<sup>4</sup> Records available from a private database concerning trademark records indicate that Imperial Bank has filed a security interest against the trademark registrations. It is recommended that a copy of the recorder security interest document be obtained and/or that Imperial Bank be contacted to learn of the precise nature and status of its claimed security interest.

5586-01050

STATUS: Registered

United States

MARK: LUMENYTE

CLASS: 11

GOODS: Electrical and fiber optic lighting fixtures, both mobile and immobile; fiber optic lighting fixtures; and electrical and fiber optic lighting systems consisting of electrical lighting fixtures and fiber optic lighting fixtures all sold a s a unit.

DESCRIPTION: U.S. Registration No. 2,147,301, dated March 31, 1998 is a registration of the mark LUMENYTE in class 11 for the goods described above. An affidavit of use must be filed between March 31, 2003 and March 31, 2004 to avoid cancellation of the registration. The registration will remain in force for 10 years from the registration date, unless the mark is abandoned or cancelled by law. After 10 years the registration will expire unless an application for renewal is timely filed. The original certificate of registration was mailed to Gregg Whitaker, President, Lumenyte International Corporation on April 15, 1998.

REG DT/NO: 31MR1998 2147301

APP DT/NO: 07NO1996 75/194830

RENEWAL DATE: 31MR2008

N/A

STATUS: Registered

United States

MARK: PYPE LITE

CLASS: 11

GOODS: Fiber optic light source for use with swimming pools and spas.

DESCRIPTION: U.S. Registration No. 1,324,321 for the mark PYPE LITE was registered March 12, 1985. No claim is made to the exclusive right to use "LITE", apart from the mark as shown. The correspondent listed on the PTO records is Sanford Willford. Small Larkin has not been retained to maintain this registration.

WARNING: THIS DOCUMENT CONTAINS UV FIBERS, A WATERMARK ON THE BACK, AND A NON-ERASABLE FEATURE.



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