

Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Takafumi Iida (05/10/2007) and Masayoshi Hachiwaka (05/09/2007)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Mitsubishi Cable Industries, Ltd.

Internal Address: _____

Street Address: _____

4-1, Marunouchi 3-chome
Chiyoda-ku,
Tokyo
100-8303
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached? ☒ Yes ☐ No

4. Application or patent number(s):

A. Patent Application No.(s)

11/666,070

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: David G. Conlin
EDWARDS ANGELL PALMER & DODGE
LLP

Internal Address: Atty. Dkt.: 68071(49227)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (617) 239-0100

Fax Number: (617) 227-4420

Email Address: JUmemuro@eapdlaw.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 04-1105

Authorized User Name _____

9. Signature:



Signature

David G. Conlin - 27,026

Name of Person Signing

Oct 26, 2007

Date

Total number of pages including cover sheet, attachments, and documents: ☐

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-0140, on the date shown below.

Dated: 10/31/07

Signature: Louise Rappaport

(Louise Rappaport)

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued):	
Additional Assignees (2. Continued):	
Assignee Name: <u>Nagase Chemtex Corporation</u>	
Internal Address:	
Street Address: <u>1-17, Shinmachi 1-chome, Nishi-ku, Osaka-shi</u>	
City: <u>Osaka, 550-8668</u> State: _____ Country: <u>JAPAN</u> Zip: _____	
Assignee Name: _____	
Internal Address:	
Street Address:	
City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____	
Internal Address:	
Street Address:	
City: _____ State: _____ Country: _____ Zip: _____	
Additional Applications and/or Patents (4. Continued):	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? ☐ Yes ☐ No	

USPTO

10/4/2007 10:21:13 AM PAGE 4/005 Fax Server

TO: JUN UMEMURO COMPANY: EDWARDS ANGELL PALMER & DODGE LLP

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FAX NO. 6174394170

P. 03

09/28/2007
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Form PTO-1595 (Rev. 01/05) OMB No. 0331-0027 (exp. 6/30/2008)		U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
RECORDATION FORM COVER SHEET PATENTS ONLY			
To the Director of the U.S. Patent and Trademark Office: Please record the attached document(s) or the new address(es) below.			
1. Name of conveying party(ies): Takafumi Iida (05/10/2007) and Masayoshi Hachiyuka (05/03/2007)		2. Name and address of receiving party(ies): Name: <u>Mitsubishi Cable Industries, Ltd.</u> Internal Address: _____ Street Address: <u>4-1, Marunouchi 3-chome</u> <u>Chiyoda-ku,</u> <u>Tokyo</u> <u>100-8303</u> <u>JAPAN</u> City: _____ State: _____ Country: _____ Zip: _____ Additional name(s) & address(es) attached? ☒ Yes ☐ No	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>In perpetuity after inventor name</u> ☒ Assignment ☐ Merger ☐ Change of Name ☐ Security Agreement ☐ Joint Research Agreement ☐ Government Interest Assignment ☐ Executive Order 9144, Confidential License ☐ Other _____			
4. Application or patent number(s): A. Patent Application No. (s) <u>11/688,070</u> Additional numbers attached? ☐ Yes ☒ No		☐ This document is being filed together with a new application. B. Patent No. (s)	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Jun Umemuro</u> <u>EDWARDS ANGELL PALMER & DODGE</u> <u>LLP</u> Internal Address: <u>Atty. Gen.: 68071(49227)</u> Street Address: <u>P.O. Box 65874</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02206</u> Phone Number: <u>(617) 239-0100</u> Fax Number: <u>(617) 227-4420</u> Email Address: <u>JUmemuro@eapdlaw.com</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(b) & 3.41): \$ <u>40.00</u> ☐ Authorized to be charged by credit card ☒ Authorized to be charged to deposit account ☐ Enclosed ☐ None required (government interest not affecting title)	
8. Signature: <u>Jun Umemuro</u> Signature <u>Jun Umemuro - 10247</u> Name of Person Signing		9. Payment Information: a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>04-1105</u> Authorized User Name <u>Jun Umemuro</u> Total number of pages including cover sheet, attachments, and documents: ☐	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, Washington, D.C. (371) 272-0140, on the date shown below. Date: <u>9/28/2007</u> Signature: <u>Jun Umemuro</u> (Jun Umemuro)			

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P. 04

Form PTO-1595 (Rev. 05/05)
OMB No. 1651-0027 (exp. 3/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Additional Assignees (2. Continued):

Assignee Name: Nagano Chemtex Corporation
Internal Address: _____
Street Address: 1-17, Shinmachi 1-chome, Nishi-ku, Osaka-Shi
City: Osaka 550 8608 State: _____ Country: Japan Zip: _____

Assignee Name: _____
Internal Address: _____
Street Address: _____
City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____
Internal Address: _____
Street Address: _____
City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Number 4A. Continued:	Additional Patent Number 4B. Continued:

Additional numbers attached? ☐ Yes ☐ No

HF-P2100-10

4-8-6667.02

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Takafumi Iida (hereinafter referred to as Assignor);

WHEREAS, Assignor has invented certain new and useful improvements in SEALING COMPOSITION AND PRODUCTION METHOD OF OPTICAL FIBER HAVING AIR HOLES IN THE INSIDE USING THE COMPOSITION, set forth in a Patent application for Letters Patent of the United States, already filed on 4/23/2007 as U.S. Application No. 11/666,070; and

WHEREAS, Nagase Chemtex Corporation, having its principal place of business at 1-17, Shinmachi 1-chome, Nishi-ku, Osaka-Shi, Osaka, 550-8668, JAPAN (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

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

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

AND Assignor acknowledges an obligation of assignment of this invention to
Assignee at the time the invention was made.

金田 隆

10 MAY 2007
Date

Takafumi Iida
Takafumi Iida

Witness:

Date

May 9, 2007
Date

M. Hachiwaka
Masayoshi Hachiwaka

Witness:

Date

HF 2005-10
2-2-00**ASSIGNMENT BY INVENTOR**

THIS ASSIGNMENT, made by Masayoshi Hachiwaka (hereinafter referred to as Assignor);

WHEREAS, Assignor has invented certain new and useful improvements in SEALING COMPOSITION AND PRODUCTION METHOD OF OPTICAL FIBER HAVING AIR HOLES IN THE INSIDE USING THE COMPOSITION, set forth in a Patent application for Letters Patent of the United States, already filed on 4/23/2007 as U.S. Application No. 11/666,070; and

WHEREAS, Mitsubishi Cable Industries, Ltd., having its principal place of business at 4-1, Marunouchi 3-chome, Chiyoda-ku,, Tokyo, 100-8303, JAPAN (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

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

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

AND Assignor acknowledges an obligation of assignment of this invention to
Assignee at the time the invention was made.