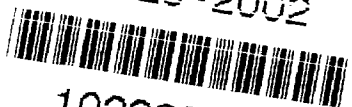


10-29-2002

10-23-2002



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RECORDATION

Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼

ET U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office  
Atty. Docket: NAKAM0005

**PATENTS ONLY**

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

1. Name of conveying party(ies):  
(1) **Tatemi IDO**; (2) **Takamitsu NAGARA**, (3) **Tadahiro KIMURA** and (4) **Tooru TAKAHASHI**

10-23-02

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

2. Name and address of receiving party(ies)  
(1) **Hitachi, Ltd.** (2) **Hitachi ULSI Systems, Co., Ltd.**  
Name: (3) **Hitachi Chemical Co., Ltd.**

Internal Address: \_\_\_\_\_  
(1) 4-6, Kandasurugadai, Chiyoda-Ku, Tokyo, JAPAN

(2) 22-1, Josuihoncho 5-chome, Kodaira-Shi, Tokyo, JAPAN  
(3) 1-1, Nishi-Shinjuku 2-Chome, Shinjuku-Ku, Tokyo, JAPAN

Street Address: SAME AS ABOVE

City: Tokyo State: JAPAN Zip: \_\_\_\_\_

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: July 15, 2002

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

10/120,185

Additional numbers attached?  Yes  No

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

Name: GRIFFIN & SZIPL, P.C.

Internal Address: Same as below

Street Address: Suite PH-1, 2300 Ninth Street, South

City: Arlington State: VA Zip: 22204-2320

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

50-1281

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Joerg-Uwe Szipl, Reg. No. 31,799

Name of Person Signing

  
Signature

October 23, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 4

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

10/28/2002 DBYRNE 00000203 10120185

01 FC:8421

40.00 DP

ASSIGNMENT

This Assignment, by ①Tatemi IDO, residing at c/o Hitachi, Ltd., Central Research Laboratory, 1-280, Higashikoigakubo, Kokubunji-Shi, Tokyo, JAPAN, ②Takamitsu NAGARA, residing at c/o Hitachi ULSI Systems Co., Ltd., 1-280, Higashikoigakubo, Kokubunji-Shi, Tokyo, JAPAN, ③Tadahiro KIMURA, residing c/o Hitachi Chemical Co., Ltd., Yamazaki Works, 13-1, Higashi-Cho at 4-Chome, Hitachi-Shi, Ibaraki-Ken, JAPAN and ④Tooru TAKAHASHI, residing at c/o Hitachi Chemical Co., Ltd., Polymer Photonics Div., 48, Wadai, Tsukuba-Shi, Ibaraki-Ken, JAPAN(hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in Optical Waveguide and Method for Preparing the Same \_\_\_\_\_ set forth in an application for Letters Patent of the United States, [ ] which is a provisional application to be filed herewith; [ ] which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; [X] bearing application No. 10/120, 185 and filed on April 11, 2002; and

WHEREAS, ①Hitachi, Ltd., whose address is 4-6, Kandasurugadai, Chiyoda-Ku, Tokyo, JAPAN, ②Hitachi ULSI Systems Co., Ltd., whose address is 22-1, Josuihoncho 5-Chome, Kodaira-Shi, Tokyo, JAPAN, ③Hitachi Chemical Co., Ltd., whose address is 1-1, Nishi-Shinjuku 2-Chome, Shinjuku-Ku, Tokyo, JAPAN (hereinafter Assignee) are desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the above-said Assignors by these presents do sell, assign and

transfer unto the said Assignee, its successors, assigns, and legal representatives, the full and exclusive right, title and interest to the said invention in the United States of America and all foreign countries, as described in the aforesaid application, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue said Letters Patent to said Assignee, for its interest as Assignee, its successors, assigns, and legal representatives.

AND the Assignors hereby authorize and request the attorneys of Griffin & Szipl, P.C. of Arlington, Virginia , to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

<u>Tatemi IDO</u>	<u><i>Tatemi Ido</i></u>	<u>July 15, 2002</u>
Typed Name	Signature	Date
<u>Takamitsu NAGARA</u>	<u><i>Takamitsu Nagara</i></u>	<u>July 15, 2002</u>
Typed Name	Signature	Date
<u>Tadahiro KIMURA</u>	<u><i>Tadahiro Kimura</i></u>	<u>July 15, 2002</u>
Typed Name	Signature	Date
<u>Tooru TAKAHASHI</u>	<u><i>Tooru Takahashi</i></u>	<u>July 15, 2002</u>



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )  
 ) Atty. Docket No.: NAKAM0005  
 Tatemi IDO et al. )  
 )  
 Serial No. 10/120,185 ) Group Art Unit: 2874  
 )  
 Filed: April 11, 2002 )  
 ) Examiner: Unknown  
 For: OPTICAL WAVEGUIDE AND )  
 METHOD FOR PREPARING THE )  
 SAME ) Date: October 23, 2002

**REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

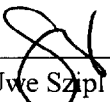
Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

In connection with the above-captioned application, an error has occurred which needs to be corrected. In the Assignor(s) section, please delete "KIMURA, TAKAHIRO" and insert therefore --KIMURA, TADAHIRO--.

It is respectfully requested that an corrected Notice of Recordation of Assignment Document be promptly issued and returned to the undersigned attorneys for applicant(s).

Respectfully submitted,  
GRIFFIN & SZIPL, PC

  
\_\_\_\_\_  
Joerg-Uwe Szipl  
Reg. No. 31,799

GRIFFIN & SZIPL, PC  
Suite PH-1  
2300 Ninth Street, South  
Arlington, VA 22204  
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SEPTEMBER 25, 2002

PTAS  
GRIFFIN & SZIPL, P.C.  
JOERG-UWE SZIPL  
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2300 NINTH STREET, SOUTH  
ARLINGTON, VA 22204-2320

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
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\*102170823A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/19/2002

REEL/FRAME: 013116/0980  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

IDO, TATEMI

DOC DATE: 07/15/2002

ASSIGNOR:

NAGARA, TAKAMITSU

DOC DATE: 07/15/2002

ASSIGNOR:

~~KIMURA, TAKAHIRO~~

DOC DATE: 07/15/2002

~~KIMURA, TADAHIRO~~

ASSIGNOR:

TAKAHASHI, TOORU

DOC DATE: 07/15/2002

ASSIGNEE:

HITACHI, LTD.  
4-6, KANDASURUGADAI, CHIYODA-KU  
TOKYO, JAPAN

ASSIGNEE:

HITACHI ULSI SYSTEMS, CO., LTD.  
22-1, JOSUIHONCHO 5-CHOME, KODAIRA-  
SHI  
TOKYO, JAPAN

RECORDED: 10/23/2002

PATENT  
REEL: 013418 FRAME: 0315