| Su | obstitute Form PTO-1595 RECORL | 08-25-1999 >rney Docket No.: 08917/01400 |
|----|--|---|
| As | sistant Commissioner for Patents: Please re | |
| 1. | Name of conveying party(ies): Masanori Ando, Toru Sakaguchi, Tetsuhiko Kobayashi, Seiichi Teshima and Yoshinobu Asako | 101125725 2. Name and address of receiving party(ies): Industrial Science & Technology 3-1, Kasumigaseki 1-chome Chiyoda-ku, Tokyo, Japan |
| | Additional name(s) attached? ☐ Yes ■ No | Additional names/addresses attached? ☐ Yes ■ No |
| 3. | Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: Masanori Ando January 30, 1998 Toru Sakaguchi January 30, 1998 Tetsuhiko Kobayashi January 30, Seiichi Teshima February 5, 1998 Yoshinobu Asako February 5, 1998 | 1998 |
| 4. | Application number(s) or patent number(s): If this document is being filed with a new application No.(s): 08/979,280 | olication, the execution date of the application is: B. Patent No.(s): |
| | Additional ı | numbers attached? ☐ Yes ■ No |
| 5. | Name/address of party to whom corresponde concerning document should be mailed: | ,, |
| | Y. Rocky Tsao Fish & Richardson P.C. 225 Franklin Street | 7. Total fee (37 CFR 3.41): \$40■ Enclosed□ Authorized to charge deposit account |

Boston, MA 02110-2804

8. Deposit account number: **06-1050**If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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Date of Deposit

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

REEL: 010178 FRAME: 0604

| 9. | Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document. | | |
|----|---|--|----------------|
| | Y. Rocky Tsao Reg. No. 34,053 | y. Rocky 7 sur | 8-20-99 |
| | Name of Person Signing | Signature // | Date |
| | Total number of pages | s including cover sheet, attachments, an | nd document: 4 |

ASSIGNMENT

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of an invention described in an application for United States patent entitled: THIRD-ORDER NONLINEAR OPTICAL MATERIAL AND METHOD FOR PRODUCTION THEREOF

sell and assign to Agency of Industrial Science & Technology a governmental body duly organized under the laws of Japan having a business address at 3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo, Japan

sell and assign to Nippon Shokubai Co., Ltd. a corporation of duly organized under the laws of Japan having a business address at 1-1, Koraibashi 4-chome, Chuo-ku, Osaka-shi, Osaka-fu, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filling of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Serial Number and filing date of said application when known.

SERIAL NO .:

FILING DATE:

08/979280

November 26, 1997

| INVENTOR: SIGNATURE | DATE | ADDRESS |
|---------------------|------------------|---|
| Sign: | Date: | Address: |
| Masanori Ando | January 30, 1998 | 4-13, Satsukigaoka 3-chome, Ikeda-shi, Osaka 563 |
| Туре: | ₩₩ ₩₩ | Japan |
| Masanori ANDO | 小森绿 | |
| Sign: | Date: | Address: |
| M 23 | Jan., 30, 1998 | 5-8, Higashitokiwadai 3-chome, Toyonou-cho, Toyonou-gun, Osaka 563-01, |
| Type: | M Winesei Komori | Japan |
| Toru SAKAGUCHI | 小教练 | |
| Sign: | Date: | Address: |
| T. Kolayasha | Jan 30, 1948 | 1-14-A, Hata 1-chome, Ikeda-shi, Osaka 563 |
| Tetsuhiko KOBAYASHI | MYMMOSSI Komori | Japan |

NOTES: MUST BE DATED.

WITNESS DESIRABLE.

LEGALIZATION NOT REQUIRED.

RECORDING OFFICER:

After recording, please return to:

ASSIGNMENT

| INVENTOR:SIGNATURE | DATE | ADDRESS | |
|----------------------------|----------------------------|--|--|
| Sign: | Date: | Address: | |
| Seiichi Teshima | Feb 5,1998 Witness: | 18-21-405, Koyadai 2-chome, Tsukuba-shi, Ibaraki-ken 305 Japan | |
| Seiichi TESHIMA | Masunoni Kitat | | |
| Sign: Yestimolon Asalar | Date: Fub tings Witness: | Address: 17-22-610, Bunkyo-cho, Tsuchiura-shi, Ibaraki-ken, | |
| Type: Yoshinobu ASAKO | Masuron Kitat | 305 Japan | |
| Sign: | Date: | Address: | |
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| Type: | Witness: | | |
| Sign: | Date: | Address: | |
| | | | |
| Type: | Witness: | | |
| Sign: | Date: | Address: | |
| Туре: | Witness: | | |
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