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Attorney Docket No. 107912

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| 4   | T  | o the Director of the U.S. Patent and   | 20/18         | iginal document or copy thereof.  |  |  |
|-----|--|---|---------------|---|--|--|
| 1.5 | <b>B</b> .   | Name of conveying parties:  1) Nobuaki UEKI 2) Akira SAKAMOTO 3) Masahiro YOSHIKAWA 4) Hideo NAKAYAMA 5) Hiromi OTOMA Additional name(s) of conveying party(ies) attached?                              | 2. A.         | Name and address of receiving party: FUJI XEROX CO., LTD. 17-22, AKASA 2-CHOME, MINATO-KU, TOKYO, JAPAN |  |  |
| 3.  | A.   | Nature of conveyance:   | В.            | Additional name(s) & address(es) attached?  ☐ Yes ☐ No  |  |  |
|     | $\boxtimes$  | Assignment  |               |   |  |  |
|     |  | Security Agreement  |               |   |  |  |
|     |  | Other   |               |   |  |  |
|     | В.   | Execution Date: 1, 3, 4) November 23, 2000; 2 & 5)<br>November 24, 2000   |               |   |  |  |
| 4.  | 4. A. If this document is being filed together with a new application, the execution date of the application is: |   |               |   |  |  |
|     | В.   | Patent Application No.(s) 09/714,980  | C.            | Patent No.(s)   |  |  |
|     |  | Additional numbers atta   | I<br>nched? [ | Yes 🛮 No  |  |  |
| 5.  | Name and address of party to whom correspondence concerning document should be mailed:      Name: James A. Oliff |   | 6. Tot        | al number of applications and patents involved: 1   |  |  |
|     |  |   | 7. A.         | Total fee (37 CFR 3.41)\$ 40.00   |  |  |
|     |  |   | В.            | Enclosed (Check No. 117913)   |  |  |
|     | Ad   | idress: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320   |               | dit any overpayment or charge any underpayment to losit account number 15-0461.                         |  |  |
|     |  |   |               |   |  |  |
| 9.  | To the   | tement and signature.  the best of my knowledge and belief, the foregoing inform driginal document.  A. Oliffi Registration No. 27,075  IS Armstrong, Registration No. 36,430  Total number of pages in |               | Date: April 9, 2001  Over sheet, attachments, and document: 2   |  |  |

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**PATENT REEL: 011674 FRAME: 0112** 

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| (1-8)   | Insert   | (1)  | Nobuaki Ueki  | (5)  | Hiromi Otoma   |  |  |
|---|--|--|---|--|--|--|--|
|   |  | (2)  | Akira Sakamoto  | (6)  |  |  |  |
|   | Name(s)<br>of Inventor(s)  | (3)  | Masahiro Yoshikawa  |  |  |  |  |
|   |  | (4)  | Hideo Nakayama  | (8)  |  |  |  |
|   |  | to eac   | In consideration of the sum of one h of the undersigned, each undersigned   |  |  |  |  |
| (9)   | Insert Name of<br>Assignee   | (9)  | FUJI XEROX CO., LTD   |  |  |  |  |
| (10)  | Insert Address of Assignee   |  | 17-22, Akasa 2-chome, Mi  | nato-ku Tok  | vo Ianan   |  |  |
| an .  | (hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal represer the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100 invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extension reissues and reexamination certificates that may be granted on the invention known as |  |   |  |  |  |  |
| ` '   | Insert<br>Identification   | (11)   | SURFACE EMITTING SI   | MICONDUC   | CTOR LASER   |  |  |
| :   | such as Title, Case  |  |   |  |  |  |  |
|   | Number, or Foreign<br>Application Number   |  | ney Docket No. 107912   |  |  | )  |  |
|   |  |  | ich the undersigned has (have) exe  | cuted an applicat  | tion for patent in the United St   | ates of America  |  |
|   |  | on eve   | n date herewith or  |  |  |  |  |
|   | Insert Date of<br>Signing of<br>Application  | (12)   | on November 23,   | 2000 and   | November 24, 20  | 00   |  |
| (13)  | Alternative  | (13)   | U.S. application Serial Number  | 09/714,980   | )  |  |  |
|   | Identification for<br>filed applications   | filed  | November 20, 2000   |  |  |  |  |
| any applic<br>the Assign<br>3<br>claims or 4<br>reexamina<br>5<br>from said<br>herein ass<br>binding or<br>6<br>identificat | eation or continuation or di-<br>nee in every way possible in<br>b) Each undersigned agrees<br>provisions of the Internatio<br>c) Each undersigned agrees<br>ation a grant of a valid Unit<br>f) Each undersigned author<br>application(s) to the said A<br>igned, and that he has not con<br>in him and his heirs, success<br>f) Each undersigned hereby<br>tion that may be necessary  | vision the obtaining to execute to perfect to perfect ed State. Tizes and assignee, executed sors, assignes, grants of the obtaining the control of the obtaining the control of the obtaining the obt | ate all papers necessary in connective coof, or any patent or reissue appling evidence and going forward with the all papers and documents and potention for Protection of Industrial rm all affirmative acts which may be patent to the Assignee.  The requests the Director of Patents to as Assignee of the entire interest, and will not execute, any agreement and legal representatives. The firm of OLIFF & BERRIDGE, PL ble in order to comply with the rule. | cation based then a such interference of the property or similate necessary to o issue any and all and covenants than the in conflict he of the power to interference of the power to interfer | reon, for the invention, and to ce.  hich may be necessary in conn lar agreements.  btain, maintain or confirm by a last Letters Patents of the United at the has full right to convey the trewith, and agrees that this assumer on this assignment any fu | cooperate with ection with reissue or States resulting the entire interest signment is |  |
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|   |  |  | e undersigned on the date(s) opp  | <i>^</i>   |  | (07) (7)   |  |
| Date  | 11/23/20   | 00   | Inventor Signature  | Noline   | aki veri   | (SEAL)   |  |
|   | 11/24/20   | 00   | Inventor Signature  | Alle   | Sakar  | -  |  |
| Date _  |  |  | Inventor Signature  | mont   | 11 11.11   | (SEAL)   |  |
| Date _  | 11/23/200  | 90   |   | Manar  | u yoshibama  | (SEAL)   |  |
|   | 11/23/200  |  | Inventor Signature  | Hide   | n Kakayama   | (SEAL)   |  |
| Date _  |  |  | Inventor Signature  | Hided<br>Hiromi  | 100  | (SEAL)   |  |
| Date  | 11/23/200 11/24/2000  This assignment should pref  | ferably b  | Inventor Signature e signed before: (a) a Notary Public st two witnesses who also sign here   | e if within the U.   | Prakayama Otoma S.A. (b) a U.S. Consul if outside  | (SEAL) (SEAL) (SEAL) de the U.S.A. If  |  |
| Date  | 11/23/200 11/24/2000  This assignment should pref  | ferably b  | Inventor Signature e signed before: (a) a Notary Public st two witnesses who also sign here   | e if within the U.   | r Nakoyama<br>Otoma  | (SEAL) (SEAL) (SEAL) de the U.S.A. If  |  |

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PATENT REEL: 011674 FRAME: 0113