RC:581

03-11-2002

torney Docket No. 407T-300000US

FORM PTO-1595 U.S. Department of Commerce 102009687 Patent and Trademark Office (Rev. 6-93) To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: The Regents of the University of California Daniel Pinkel Internal Address: Additional name(s) of conveying parties attached? Yes Street Address: 3. Nature of conveyance: 1111 Franklin Street, 12th Floor Χ Assignment Merger Oakland, CA 94607-5200 Security Agreement Change of Name Additional names and addresses attached? No. Other: Execution Date: 12/4/2002, 01/02/2002, 01/22/2002, 01/24/2002 4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is: Patent Application No(s): 09/894.863 B. Patent No(s): A. Additional numbers attached? No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): -----\$40.00 Name: QUINE INTELLECTUAL PROPERTY X Charge Fees to Deposit Account ☐ Enclosed LAW GROUP, P.C. P.O. Box 458 X Charge any additional fees associated with this paper or during Alameda, CA 94501 the pendency of this application, or credit any overpayment, to (510) 337-7871 deposit account. 8. Deposit account number: 50-0893 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document. <u>January 28, 2002</u> Tom Hunter Date Name of Person Signing Total number of pages including cover sheet, attachments and document Atty Reg. No. 38,498 10. Change Correspondence Address to that of Part 5? X Yes No OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover to: Asst. Commissioner for Patents 09894863 Box: Assignments 00000303 500893 43/08/2002 DBYRNE Washington, D.C. 20231 40.00 CH

Form PTO-1595 Recordation Form Cover Sheet Patents Only Page 2

 Additional name(s) of conveying party(ies): (Continued from Page 1)

Donna G. Albertson Joe W. Gray Greg Hamilton

- Additional name(s) and address(es) of receiving party(ies): (Continued from Page 1)
- Additional application number(s) or patent number(s): (Continued from Page 1)
 - A. Patent Application No.(s)

B. Patent No.(s)

Attorney Docket No.: 407T-300000US Client Reference No.: 2001-415-1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Daniel Pinkel, of 31 Manzanita Court, Walnut Creek, California 94595, Donna G. Albertson of 1098 Via Roble, Lafayette, California 94549, Joe W. Gray of 50 Santa Paula Avenue, San Francisco, California 94127, Greg Hamilton, 851 Alabama Street, Apt. A, San Francisco, California 94110, Nils W. Brown of 1345 15th Avenue #8, San Francisco, CA 94122, and Steven M. Clark of 205 Mill Road, Haverton, PA 19083, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

| Title of Invention: | HIGH-EFFICIENCY MICROARRAY PRINTING DEVICE | |
|---------------------|--------------------------------------------|-------|
| Filing Date: | June 27, 2001 | |
| Application No.: | 09/894,863 | ; and |

WHEREAS, The Regents of the University of California, a university, located at 1111 Franklin Street, 12th Floor, Oakland, CA 94607-5200, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and which claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

| Assignment Application No.: 09/894,863 Page 2 | |
|-----------------------------------------------------|--------------------------------------------------------------------|
| IN TESTIMONY | WHEREOF, Assignors have signed his/her name on the date indicated. |
| Dated: 1-22-02 | Daniel Pinkel |
| SIGNATURE WITNESSED BY: (1) Date: 1/22/02 | Signature of Witness 1 |
| Dated://22/02 | Donna G. Albertson |
| SIGNATURE WITNESSED BY: (1) Date: 1/22/02 | Signature of Witness 1 |
| | |

Dated: _____

SIGNATURE WITNESSED BY:

(1) Date:_____

PATENT REEL: 012640 FRAME: 0937

Joe W. Gray

Signature of Witness 1

| Dated: 1/22/02 | My 2/1/2 |
|----------------------------------------------|------------------------|
| | Greg Hamilton |
| SIGNATURE WITNESSED BY: (1) Date: $1/22/02$ | Styllare Machiness 1 |
| Dated: | |
| | Nils W. Brown |
| SIGNATURE WITNESSED BY: | |
| (1) Date: | Signature of Witness 1 |
| Dated: | |
| Dateu. | Steven M. Clark |
| SIGNATURE WITNESSED BY: | |
| (1) Date: | Signature of Witness 1 |

Assignment Application No.: 09/894,863 Page 3

Assignment

Application No.: 09/894,863

Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

| Dated: | |
|-------------------------|------------------------|
| | Daniel Pinkel |
| SIGNATURE WITNESSED BY: | |
| (1) Date: | |
| | Signature of Witness 1 |
| | |
| Dated: | Donna G. Albertson |
| SIGNATURE WITNESSED BY: | - |
| (1) Date: | Signature of Witness 1 |
| Dated: | Joe W. Gray |
| SIGNATURE WITNESSED BY: | |
| (1) Date: 12/4/01 | Signature of Witness 1 |

| Assignment Application No.: 09/894,863 Page 3 | |
|-----------------------------------------------------|------------------------|
| Dated: | Greg Hamilton |
| SIGNATURE WITNESSED BY: (1) Date: | Signature of Witness 1 |
| Dated: 1/1/2 | Nils W. Brown |
| SIGNATURE WITNESSED BY: (1) Date: 4 1/2/02 | Stephen Witness 1 |
| Dated: | Steven M. Clark |
| SIGNATURE WITNESSED BY: | |
| (1) Date: | Signature of Witness 1 |

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Application No.: 09/894,863

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| ated: | Greg Hamilton |
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| GNATURE WITNESSED BY: | |
| (1) Date: | Signature of Witness 1 |
| rated: | Nils W. Brown |
| IGNATURE WITNESSED BY: | |
| (1) Date: | Signature of Witness 1 |

SIGNATURE WITNESSED BY:

(1) Date: 24/1/02

Variative of Witness I.

RECORDED: 02/13/2002