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Form PTO-1619A (modified)

101056797

Atty. Docket No: 03848.80505

To the Honorable Assistant Commissioner of Patents: Please record the attached original documents or copies thereof:

1. Name of Conveying Party or Parties:
Quate, Calvin F. and Stern, David

Additional Names of conveying party or parties attached?
 Yes No

2. Name and address of receiving party or parties:

Affymetrix, Inc.
3380 Central Expressway
Santa Clara, California 95051

JCS11 U.S. PAT.
09/318775
05/26/99

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Additional Name(s) and address(es) attached? Yes No

Execution Date: May 25, 1999

4. Application Number(s) or Patent Number(s) and Application Title:

Title: **Compositions and Methods Involving Direct Write Optical Lithography**

If this document is being filed together with a new application, the execution date of the application is: May 25, 1999

A. Patent Application Number(s):

09/318775

Additional Name(s) and address(es) attached? Yes No

B. Patent Number(s):

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

Banner & Witcoff, Ltd.
1001 G Street, N.W., Suite 1100
Washington, D.C. 20001-4597

6. Total Number of Applications and patents involved:

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

Authorized to be charged to deposit account*
 Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment

8. Deposit Account No.:
19-0733 (in the event additional fees are required)

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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.

Kevin Alan Wolff, Registration No. 42,233
Name of Person Signing

[Signature]
Signature

May 26, 1999
Date

Total Number of Pages Including This Cover Sheet: 3

ASSIGNMENT

WHEREAS, we, Calvin F. Quate, residing at 859 Cedro Way, Stanford, California, 94305 and David Stern, residing at 1912 Montecito Avenue, #1, Mountain View, California, 94043 (Assignors), are the inventors of certain inventions or improvements for which we have executed an application for Letters of Patent of the United States thereof on May 25, 1999, identified as Attorney Docket No. 03848.80505 entitled

COMPOSITIONS AND METHODS INVOLVING DIRECT WRITE OPTICAL LITHOGRAPHY

and WHEREAS, Affymetrix, Inc.
3380 Central Expressway
Santa Clara, California 95051
A corporation of the state of DELAWARE

Assignee, desires to acquire the entire right, title and interest in and to the said application(s) and invention(s) or improvement(s) under any and all Letters Patent which may be granted on or as a result thereof in The United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named Assignee, its successors, assigns and legal representatives ("Nominees") the entire right, title and interest in and to said invention(s) or improvement(s) throughout the world and to said application and any and all Letters Patent, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any Non-provisional based on a Provisional thereof ("Letters Patent").

And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application(s), invention(s) or improvement(s), and Letters Patent in the Assignee, or its Nominees, and we agree to communicate to said Assignee, or its Nominees all known facts respecting said application(s), invention(s) or improvement(s) and Letters Patent, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid Assignee or its Nominees to obtain and enforce for their own benefit patent protection for said application(s), invention(s) or improvement(s) in any and all countries, all at the expense, however, of the Assignee, or its Nominees;

And we authorize the Assignee or its Nominees to file in our names or their own, an appropriate, application for Letters Patent in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said Assignee, or its Nominees any and all Letters Patent for said application(s), invention(s) or improvement(s), for their sole use, to the full end of the term for which such Letters Patent may be granted.

And we further grant the attorneys, at the firm of BANNER & WITCOFF, of Washington, D.C., the power to insert on this assignment document the execution date, the filing date, application number and such other identification as may be necessary and desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document (Application No: _____, filed on the 26 day of May, 1999).

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 25th day of May, 1999.

Date:

Inventor:

Calvin F. Quate
Calvin F. Quate

Date:

Inventor:

David Stern
David Stern