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3 SHEET

Docket No 244/008

101341862

Original documents or copy thereof.

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):
John J. Scott
Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party:
Name: Nanogen
Street Address 10398 Pacific Center Court
City: San Diego State: CA Zip: 92121
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment
Execution Date: January 7, 2000

4. Application number(s) or patent number(s): 09/464,651

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):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Richard Warburg
Internal Address: Brobeck, Phleger & Harrison LLP
12390 El Camino Real
San Diego, CA 92130-2081

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$ 40.00
 Enclosed
 Charge this Deposit Account if any additional fee is required

8. Deposit Account Number: 50-1273

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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.

Douglas C. Murdock
Douglas C. Murdock, Reg No. 37,549

Date: 3/28/00

Total number of pages including cover sheet: 6

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ASSIGNMENT

For valuable consideration, we, John R. Havens of San Diego, California and a citizen of the U.S.A.; Dan Smolko of Jamul, California a citizen of the U.S.A.; Jain Krotz of San Diego, California and a citizen of India and John J. Scott of Lafayette, Indiana and a citizen of the U.S.A. (hereinafter referred to as "Assignors") hereby assign to NANOGEN, a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at 10398 Pacific Center Court, San Diego, California 92121, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Patent filed herewith, U.S. Serial No. to be assigned and related applications and patents, entitled **MICROREACTION SYSTEMS AND METHODS FOR MOLDING AND GRAFTING HIGHLY UNIFORM POLYMER LAYERS ONTO ELECTRONIC MICROCHIP AND OTHER SUBSTRATES**, this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements, including all divisions, continuations, reissues, continuations-in-part and extensions thereof, and the right to claim priority based on the filing date of said application and based on the filing date of any provisional application of which said application claims the benefit under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention or application as may be known and accessible to us, to testify in any interference or litigation related to said invention or application and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

The Assignors hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Agreement.

