

11-27-1998

FORM PTO-1595
1-31-92



SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No. DocketNumber

100908228

To the Honorable Commissioner of Patents and Trademarks, enclosing the attached original documents or copy thereof.

Man 11-17-98

1. Name of conveying party(ies):
Michael Nerenberg, Ray Radtkey, Prashant Mehta, Dana Vollmer
Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party:
Name: Nanogen, Inc.

Internal Address: _____

City: _____ State: _____ Zip: _____

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 Merger
 Security Agreement Change of Name
 Other _____
Execution Date: _____

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: 11/17/98

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: LYON & LYON LLP
633 West Fifth Street, Suite 4700
Los Angeles, CA 90071-2066

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41): \$ 40.00
 Enclosed
 Charge this Deposit Account if any additional fee is required

8. Deposit Account Number: 12-2475

DO NOT USE THIS SPACE

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

Date: Nov. 17, 1998

Total number of pages including cover sheet:

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

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PATENT
REEL: 9600 FRAME: 0211

10551 U.S. PTO
09/193291
11/17/98

ASSIGNMENT

WHEREAS, I, Michael Nerenberg, a citizen of USA, (hereinafter referred to as "ASSIGNOR"), is an inventor and owner of a certain invention entitled "Topoisomerase Type II Gene Polymorphisms and their use in Identifying Drug Resistance and Pathogenic Strains of Microorganisms", for which application for Letters Patent of the United States of America is to be filed 11/17/98; and

WHEREAS, NANOGEN, INC. a corporation organized and existing under and by virtue of the laws of the State of California and having its principal place of business at 10398 Pacific Center Court, San Diego, California 92121 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue

said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

ASSIGNMENT

WHEREAS, I, Prashant Meta, a citizen of INDIA, (hereinafter referred to as "ASSIGNOR"), is an inventor and owner of a certain invention entitled "Topoisomerase Type II Gene Polymorphisms and their use in Identifying Drug Resistance and Pathogenic Strains of Microorganisms", for which application for Letters Patent of the United States of America is to be filed 11/17/98; and

WHEREAS, NANOGEN, INC. a corporation organized and existing under and by virtue of the laws of the State of California and having its principal place of business at 10398 Pacific Center Court, San Diego, California 92121 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

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WITNESS my hand at SAN DIEGO, California, this
17th day of NOVEMBER, 1998.

P. Mehta.

Prashant Meta

Mehta.

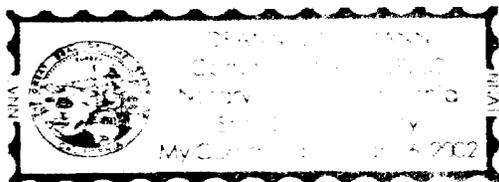
STATE OF CALIFORNIA)
) ss
COUNTY OF SAN DIEGO)

On 11/17/98 before me, DEANN L. ZELLMANN, personally appeared
PRASHANT MEHTA

personally known to me - **OR** - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Deann L. Zellmann
Notary Public in and for
said County and State



ASSIGNMENT

WHEREAS, I, Ray Radtkey, a citizen of USA, (hereinafter referred to as "ASSIGNOR"), is an inventor and owner of a certain invention entitled "Topoisomerase Type II Gene Polymorphisms and their use in Identifying Drug Resistance and Pathogenic Strains of Microorganisms", for which application for Letters Patent of the United States of America is to be filed 11/17/98; and

WHEREAS, NANOGEN, INC. a corporation organized and existing under and by virtue of the laws of the State of California and having its principal place of business at 10398 Pacific Center Court, San Diego, California 92121 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue

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ASSIGNMENT

WHEREAS, I, Dana Vollmer, a citizen of USA, (hereinafter referred to as "ASSIGNOR"), is an inventor and owner of a certain invention entitled "Topoisomerase Type II Gene Polymorphisms and their use in Identifying Drug Resistance and Pathogenic Strains of Microorganisms", for which application for Letters Patent of the United States of America is to be filed 11/17/98; and

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