
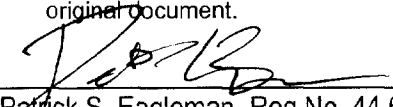


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| FORM PTO-1595 1-31-92 | R | 08-23-2001  101821061 | HEET | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office |
| Docket No. 241/260 | | ted original documents or copy thereof. | | |
| To the Honorable Commissioner of Patent | | Name and address of receiving party: Name: Nanogen, Inc. | | |
| 1. Name of conveying party(ies): Ronald G. Sosnowski Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Internal Address: _____ City: _____ State: _____ Zip: _____ Street Address: 10398 Pacific Center Court City: San Diego State: California Zip: 92121 | | |
| 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: August 8, 2001 | | Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 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: | | | | |
| A. Patent Application No(s): 09/291,129 | | B. Patent No(s): _____ | | |
| Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Patrick S. Eagleman Internal Address: LYON & LYON LLP 633 West Fifth Street, Suite 4700 Los Angeles, CA 90071-2066 | | 6. Total number of applications and patents involved: One 7. Total fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> 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.  Patrick S. Eagleman, Reg No. 44,665 Date: August 13, 2001 Total number of pages including cover sheet: Three | | | | |
| OMB No. 0651-0011 (exp. 4/94) | | | | |
| Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director — U.S. Patent and Trademark Office Box Assignments Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503 | | | | |

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I, RONALD G. SOSNOWSKI, a citizen of the United States (hereinafter referred to as "ASSIGNOR"), have invented and own a certain invention entitled METHODS AND APPARATUS FOR DETERMINATION OF SINGLE NUCLEIC ACID POLYMORPHISMS USING A BIOELECTRONIC MICROCHIP, for which application for Letters Patent of the United States of America was filed on April 12, 1999, and assigned Serial No. 09/291,129; and


WHEREAS, **NANOGEN, INC.**, a corporation organized and existing under and by virtue of the laws of the Delaware 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 United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof, to issue said patents to 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.

WITNESS my hand at San Diego, California, this 8 day of August, 2001.

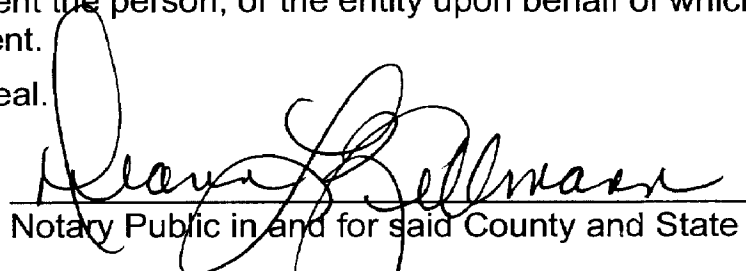


Ronald G. Sosnowski

STATE OF CALIFORNIA)
) ss
COUNTY OF SAN DIEGO)

On August 8, 2001, before me, the undersigned Notary Public, personally appeared **Ronald G. Sosnowski**, ☒ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public in and for said County and State

