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ched original documents or copy thereof.

To the Honorable Commissioner of Pat
1. Name of conveying party(ies):

NANOGEN, INC.

REC JUL 26 AM 11:13
CPR/FINANCE

2. Name and address of receiving party(ies):

Name: UNITED STATES AIR FORCE

Internal Address: AFRL/IFOJ

Street Address: 26 ELECTRONIC PARKWAY

City: ROME

State: NEW YORK Zip: 13441-4514

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other Confirmatory License

Execution Date(s): 20 JUNE 2000

This instrument should be recorded on the government-
al register in accordance with 37 CFR 7.1(e)(1).

Additional name(s) & address(es) attached? Yes 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):

09/436,311

B. Patent No.(s):

Additional numbers attached? Yes No

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

Name: HAROLD L. BURSTYN

Internal Address: AFRL/IFOJ

Street Address: 26 ELECTRONIC PARKWAY

City: ROME

State: NEW YORK ZIP: 13441-4514

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)\$ 0

Enclosed Not applicable

The instrument to be recorded is not an instrument
affecting title (37 CFR 7.1(e)(2) and (j)).

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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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.

JUDITH M. DECKER
Name of person signing

Signature

6/22/00
Date

Total number of pages including cover sheet, attachments, and document:

2

CONFIRMATORY LICENSE

Application for: Methods and Apparatus for the Electronic, Homogeneous Assembly and Fabrication of Devices
Inventor(s): Carl F. Edman, Michael J. Heller, Rachel Formosa and Christian Gunter
Serial Number: 09/436,311
Filed: November 8, 1999
Contract No.: F30602-97-C-0155
Contractor: Nanogen, Inc.

The invention identified above is a "Subject Invention" under 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified contract award with the United States Air Force.

1. The nonexclusive, nontransferable, irrevocable, paid-up license granted to the Federal Government in the invention described in the patent application in any and all divisions, continuations, and continuations-in-part, and in any and all patents and re-issues granted thereon, and of all other rights acquired by the Government by the referenced clause.

2. All other rights acquired by the Government by reason of the above identified contract award and the laws and regulations which are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 20 day of June, 2000.

(seal)

Nanogen, Inc.
(Contractor)

Attested:

By Harry J. Leonhardt
(Name) Harry J. Leonhardt, Esq.

Randy Bebelts

Senior Vice President, General Counsel
(Title) and Secretary