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Name: NAVY, SECRETARY OF THE UNITED

Internal Address: STATES OF AMERICA

OFFICE OF NAVAL RESEARCH

Street Address: 800 NORTH QUINCY STREET

City: ARLINGTON

State: VA

Country: USA Zip: 22217-5660

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent No.(s)

6,489,221

Additional numbers attached? Yes No

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

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$

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- Enclosed
- None required (government interest not affecting title)

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THOMAS E. MCDONNELL

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

2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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PATENT

REEL: 015571 FRAME: 0450

LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title: Pendeoepitaxial Methods of Fabricating Gallium Nitride Semiconductor Layers on Sapphire Substrates

Inventor (s): Robert F. Davis, Thomas Gehrke, Kevin James Linthicum

Application Serial No: 09/780,715

Patent Number: 6,489,221

Grant/Contract Identification Number(s): ~~N00014-82-1-0654~~, N00014-98-1-0384, ~~N00014-98-1-0765~~ *N00014-96-1-0765; N00014-98-1-0654

Foreign Applications Filed/Intended in (Countries): Japan, Korea, China, Europe, Singapore

The invention identified above is a subject invention under 35 U.S.C.200, et seq and the standard patent rights clause at 37 CFR 401.14 FAR 52.227.11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the united states government. This documentary is confirmatory of:

1.The non-exclusive, non-transferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all patents and re-issues granted thereon throughout the world; and

2. All other rights acquired by the government by reason of the above identified grant/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 26 day of March, 2004

By 
(Name of Grantee/ Contractor Official)

Title Donna M. Cookmeyer
Director

For North Carolina State University
(Organization) **Office of Technology Transfer**

*Contract Numbers corrected by the Department of the Navy after execution by the Contractor.


CAROL PETROSKY
Legal Technician