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PATENTS ONL.U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Kent State University

7-12-02

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: 04/02/02

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

Name: National Science Foundation

Internal Address: Office of the General Counsel

Suite 1265

Street Address: 4201 Wilson Boulevard

City: Arlington State: VA Zip: 22230

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) 885,154

B. Patent No.(s) 5,384,067

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robin Clay Fritsch

Internal Address: Office of the General Counsel

Suite 1265

Street Address: 4201 Wilson Boulevard

City: Arlington State: VA Zip: 22230

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 0.00

- ☐ Enclosed
- ☐ Authorized to be charged to deposit account

## 8. Deposit account number:

## 9. Signature.

Robin Clay Fritsch

Name of Person Signing

Signature

7/2/02

Date

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

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PATENT

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This instrument confirms to the United States Government, as represented by the National Science Foundation (NSF), an irrevocable, nonexclusive, nontransferable, royalty-free license to practice or have practiced on its behalf throughout the world the following subject invention:

NSF Disclosure File Number: \_\_\_\_\_

KSU Invention Disclosure Number: KSU 113 (formerly 92-6)

Invention Title: GREY SCALE LIQUID CRYSTAL MATERIAL

Inventors: J. William Doane and Deng-Ke Yang

Patent Application Number and Filing Date: #885,154, May 18, 1992

U. S. Patent Number: 5,384,067, assigned to Kent State University

Issue Date: January 24, 1995

This subject invention was made with NSF support through:

NSF Grant: DMR-89-20147 ALCOM NSF/State/Industry/University consortium  
cooperative agreement

Grantee: Kent State University (KSU), Kent, Ohio 44240

Principal rights to this subject invention have been left with the licensor.

Signed on behalf of KSU: \_\_\_\_\_

Typed name and title: M. Thomas Jones, Vice Provost and Dean, Research Office

Date: \_\_\_\_\_

\*\*\*\*\*

Accepted on behalf of the Government:

NSF Patent Assistant or other designated official - signature/title

Date: 1/2/02