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07-17-2000

FORM PTO-1595  
(REV. 6-93)  
OMB No. 0651-0011 (exp. 4/94)



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Patent and Trademark Office

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

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Execution Date: 12/17/99

2. Name and address of receiving part(ies)  
 Name: DARPA  
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3701 North Fairfax Drive  
 City: Arlington State: VA ZIP: 22203

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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)  
08/431,540

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Kimberly Richmond  
 Internal Address:  
Office of General Counsel  
 Street Address:  
3701 North Fairfax Drive  
 City: Arlington State: VA ZIP: 22203

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41) ..... \$ 40.00  
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PATENT  
REEL: 010789 FRAME: 0878

CONFIRMATORY INSTRUMENT

Kent State University (KSU) Invention Disclosure Number(s): **KSU 121 and 123**  
(formerly known as 93-5 and 93-7 respectively)

Invention Title: **PIXELIZED LIQUID CRYSTAL DISPLAY MATERIALS AND INCLUDING  
CHIRAL MATERIAL ADOPTED TO CHANGE ITS CHIRALITY UPON  
PHOTO-IRRADIATION**

(Disclosed as "White Reflection Cholesteric Display: Materials And Methods," And  
"Pixelization Method And Materials For Multi-Color Reflective Cholesteric Displays"  
respectively)

Inventor(s): **J. William Doane and Liang-Chy Chien**

Patent Application Number and Filing Date: 08/431,540 filed May 1, 1995

U.S. Patent Number - assigned to Kent State University: **5,668,614**

Issue Date: **September 16, 1997**

This subject invention was made with U.S. government agency support through:

**NSF ALCOM Grant DMR-89-20147**

**DARPA/ARPA Contract MDA972-90-C-0037 (NCIPT).**

The invention identified above is a "Subject Invention" under the Patent Rights Clause set forth in 37 C.F.R. part 401.14(a) and incorporated in the above-identified Contract(s)/Grant(s).

This document is confirmatory of the paid-up license granted, under the Contract(s)/Grant(s), to the Government in this invention, patent application and resulting patent, and of all other rights acquired by the Government by 37 C.F.R. part 401.14(a).

Where the above-identified patent application has not issued as a patent, the Government is hereby granted an irrevocable power to inspect and make copies of the patent application.

The Principal rights to this Subject Invention have been left with Kent State University.

Signed on behalf of Kent State University:

  
\_\_\_\_\_

Date: 9/16/97

M. Thomas Jones, Vice Provost and Dean  
Research and Graduate Studies  
Kent State University  
Terrace Hall  
POB 5190  
Kent OH 44242-0001

**PATENT**  
**REEL: 010789 FRAME: 0879**

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Date: 7/14/97

M. Thomas Jones, Vice Provost and Dean  
Research and Graduate Studies  
Kent State University  
Terrace Hall  
POB 5190  
Kent OH 44242-0001



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Attention: Register of Government Interest in Patents

Dear Sir:

Forwarded herewith is a cover sheet (as required by 37 CFR 3.31) and the original and one copy of an instrument confirming the conveyance to the United States Government of certain rights in and to Patent Application No. 08/431,540, filed on May 1, 1995.

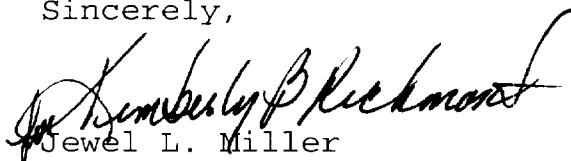
This instrument is forwarded in accordance with Executive Order No. 9424 and 37 CFR Part 7 for recording in the Public portion of the Register of Government Interests.

After the enclosed license is recorded, please return the original to:

Defense Advanced Research Projects Agency  
3701 North Fairfax Drive  
Arlington, VA 22203-1714

Attn: Office of General Counsel

Sincerely,

  
Jewel L. Miller  
Assistant General Counsel