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1. Name of conveying party(ies)

LI, QUAN
LI, YANNIAN
MA, JI

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

2. Name and address of receiving party(ies)

Name: KENT STATE UNIVERSITY

Internal Address: _____

Street Address: EAST MAIN AND LINCOLN STREETS

City: KENT

State: OHIO

Country: USA

Zip: 44242

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 11/18/11; 12/20/11; 11/18/11

Assignment

Merger

Security Agreement

Change of Name

Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

13/642,250

Additional numbers attached? Yes No

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

Name: DANIEL J. HUDAK, JR

Internal Address: HUDAK, SHUNK & FARINE CO LPA

Street Address: 2020 Front Street, Suite 307

City: Cuyahoga Falls

State: OHIO

Zip: 44221

Phone Number: 330-535-2220

Fax Number: 330-535-1435

Email Address: DHUDAKJR@HSF-IPLAW.COM

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

8. Payment Information

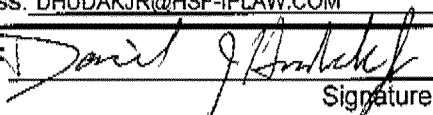
a. Credit Card Last 4 Numbers _____

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Authorized User Name DANIEL J. HUDAK, JR.

9. Signature:


Signature

10/22/12

Date

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Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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(Attorney Docket No.: KENT-NN-PROV-PCT-US)

PATENT

REEL: 029171 FRAME: 0197

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,

KENT STATE UNIVERSITY,

a State University of Ohio, organized under the laws of the State of Ohio, domiciled at

East Main and Lincoln Streets, Kent, Ohio 44242

U.S.A., receipt whereof is hereby acknowledged, the undersigned by these presents hereby sells, assigns, transfers, and sets over unto said assignee the entire right, title and interest in and to the invention or improvement in

"SMART PHOTOCHROMIC CHIRAL NEMATIC LIQUID CRYSTAL WINDOW"

said invention being fully described and/or claimed in the application for Letters Patent of the United States of America, executed this date(s), as well as any divisional, continuing, reissue, reexamination, or other patent applications, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

AND SAID ASSIGNEE IS HEREBY AUTHORIZED to make application for and to receive Letters Patent for said invention in any of said countries at its election.

AND BY THIS COVENANT the undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor to said Assignee, its successors, assigns or other legal representatives, and, upon the request of said assignee, will execute any divisional, continuing, reissue, reexamination, or other applications for patents for said invention, in any country, and will make all rightful oaths and do all lawful acts requisite for aiding, procuring, or maintaining the same or for aiding therein.

AND THE COMMISSIONER of Patents is hereby authorized and requested to issue any and all Letters Patent to the United States for said invention, to said assignee.

SIGNED and sealed as indicated adjacent our signatures.

Date: 11-18-11

Quan Li
Quan Li

STATE OF OHIO)
COUNTY OF Portage) SS:

BEFORE ME, a Notary Public in and for said County and State, personally appeared **QUAN LI** who signed the foregoing ASSIGNMENT in my presence and who acknowledged the same to be his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 18th day of November, 2011.

(SEAL)

Cynthia E. Miller
Notary Public
CYNTHIA E. MILLER
NOTARY PUBLIC • STATE OF OHIO
Recorded in Summit County
My commission expires Jan. 10, 2015

Date: 12-20-11

Yannian Li
Yannian Li

STATE OF OHIO)
COUNTY OF Portage) SS:

BEFORE ME, a Notary Public in and for said County and State, personally appeared **YANNIAN LI** who signed the foregoing ASSIGNMENT in my presence and who acknowledged the same to be his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 20th day of December, 2011.

(SEAL)

Janet S. Cash
Notary Public

JANET S. CASH
NOTARY PUBLIC • STATE OF OHIO
Recorded in Portage County
My commission expires July 27, 2015

Date: 11/18/2011

Ji Ma
Ji Ma

STATE OF Ohio)
COUNTY OF Portage)SS:

BEFORE ME, a Notary Public in and for said County and State, personally appeared **JI MA** who signed the foregoing ASSIGNMENT in my presence and who acknowledged the same to be his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 18th day of November, 2011.

(SEAL)

Cynthia E. Miller
Notary Public

CYNTHIA E. MILLER
NOTARY PUBLIC • STATE OF OHIO
Recorded in Summit County
My commission expires Jan. 10, 2015