

01-28-2003

Form PTO-1595  
(Rev. 10/02)

1-27-03 RECC



U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

102349079

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Arthur J. Epstein Qianbing Zheng Run G. Sun</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: The Ohio State University Research Foundation</p> <p>Internal Address: _____</p> <p>Street Address: 1960 Kenny Road</p> <p>City: Columbus State: Ohio Zip: 43017</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input checked="" type="checkbox"/> Other Corrective Documents</p> <p>Execution Date: 05/18/01; 06/27/01 &amp; 07/09/01</p>	

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: \_\_\_\_\_

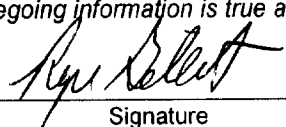
<p>A. Patent Application No. (s)</p> <p>09/799,171</p>	<p>B. Patent No. (s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
--------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: ROGER A. GILCREST</p> <p>Internal Address: _____</p> <p>Street Address: Standley &amp; Gilcrest LLP, 495 Metro Place South, Suite 210</p> <p>City: Dublin State: Ohio Zip: 43017</p>	<p>6. Total number of applications and patents involved: <input type="text" value="1"/></p> <p>7. Total fee (37 CFR 3.41) \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: _____</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DO NOT USE THIS SPACE

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.

<p>ROGER A. GILCREST</p> <p>Name of Person Signing</p>	 <p>Signature</p>	<p>January 21, 2003</p> <p>Date</p>
--------------------------------------------------------	----------------------------------------------------------------------------------------------------------	-------------------------------------

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

01/28/2003 ECOMPER 00000009 09799171

01 FC:8021

40.00 DP

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D. C. 20231

PATENT  
REEL: 013687 FRAME: 0805

10-17-2001



101877299

Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Arthur J. Epstein  
Qianbing Zheng  
Run G. Sun

10121

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

2. Name and address of receiving party(ies)

Name: The Ohio State University

Internal Address:

Street Address: 1960 Kenny Road

City: Columbus State: Ohio Zip: 43017

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 05/18/01; 06/27/01 & 07/09/01

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)

B. Patent No.(s)

09/799,171

Additional numbers attached?  Yes  No

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

Name: ROGER A. GILCREST

Internal Address:

Street Address: Standley & Gilcrest LLP, 495 Metro

Place South, Suite 210

City: Dublin State: Ohio Zip: 43017

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

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

DO NOT USE THIS SPACE

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.

ROGER A. GILCREST

Name of Person Signing

*Roger Gilcrest*  
Signature

September 27, 2001

Date

Total number of pages including cover sheet, attachments, and documents 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

10/16/2001 LMUELLER 00000077 09799171

01 FC:581

40.00 DP

PATENT  
REEL: 013687 FRAME: 0806

## ASSIGNMENT

This assignment is made by Arthur J. Epstein, residing at 55 South Merkle, City of Bexley, State of Ohio 43209; Qianbing Zheng, residing at 1828 Sutter Parkway, City of Powell, State of Ohio 43065; and Run G. Sun, residing at 65 South Patterson Avenue, Apartment 101, City of Santa Barbara, State of California 93111 ("ASSIGNORS") to The Ohio State University Research Foundation, an instrumentality of the State of Ohio having an office at 1960 Kenny Road, Columbus, Ohio 43210-1063 ("ASSIGNEE").

FOR ONE U.S. DOLLAR (\$1.00) AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, ASSIGNORS do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to our invention entitled INFRARED EMITTING ELECTROLUMINESCENT AND PHOTOLUMINESCENT DEVICES, as described and/or claimed in an application for patent of the United States of America, Serial No. 09/799,171. A Declaration for the application has been executed on April 25 and May 3, 2001. ASSIGNORS further do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest, together with all rights of priority, in and to ASSIGNORS' invention as described and/or claimed in any and all applications for patents based on the invention, including divisionals, continuations, renewals, substitutes and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.

ASSIGNORS HEREBY AUTHORIZE ASSIGNEE to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in ASSIGNEE'S name.

ASSIGNORS HEREBY PROMISE AND AGREE that ASSIGNORS will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the invention. ASSIGNORS will, at any time, upon the request and without further consideration, but at the expense of ASSIGNEE, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, in ASSIGNEE, its successors, assigns, or other legal representatives. ASSIGNORS will, at any time, upon the request and at the expense of ASSIGNEE, execute any continuations, divisionals, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents issuing thereon are hereby assigned to ASSIGNEE. ASSIGNORS will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

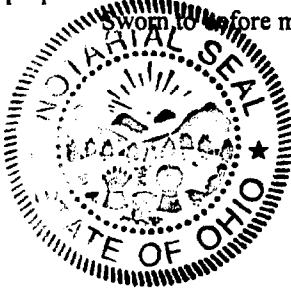
ASSIGNORS HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to the ASSIGNEE.

  
Arthur J. Epstein, ASSIGNOR

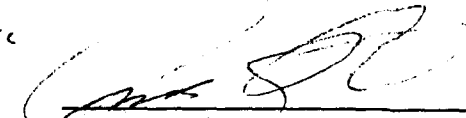
STATE OF OHIO :  
COUNTY OF FRANKLIN : SS:

Before me personally appeared *Arthur J. Epstein*, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 18 day of MAY, 2001.



RUTH S. COGLEY *LUKETT*  
NOTARY PUBLIC, STATE OF OHIO  
My Commission Expires June 26, 2001

  
Notary Public

  
Qianbing Zheng, ASSIGNOR

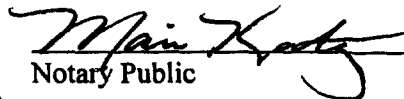
STATE OF OHIO :  
COUNTY OF FRANKLIN : SS:

Before me personally appeared *Qianbing Zheng*, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 27 day of June, 2001.



MARIA C. KORTING  
Notary Public, State of Ohio  
My Commission Expires Dec. 10, 2005

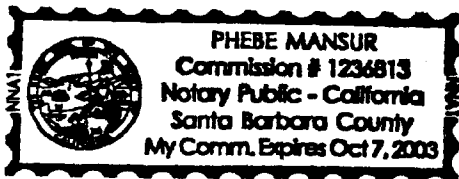
  
Notary Public

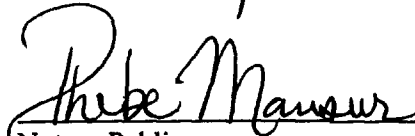
  
Run G. Sun, ASSIGNOR

STATE OF OHIO :  
COUNTY OF FRANKLIN : SS:

Before me personally appeared *Run G. Sun*, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Sworn to before me and subscribed in my presence this 09 day of July, 2001.



  
Notary Public