08-24-2001

Form PTO-1595

ERev. 6-93)

HEET

U.S. Department of Commerce

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

| Name of conveying party(ies): | Name and address of receiving parties: |
|---|---|
| (1) Wei HUANG (2) Wang Lin YU | Name: <u>INSTITUTE OF MATERIALS RESEARCH AND</u> <u>ENGINEERING</u> |
| | Internal Address: |
| (3) Jian PEI (4) Soo Jin CHUA | internal / duress. |
| (4) SOO DIN CHUA | 0, , , , , , , , , , , , , , , , , , , |
| Additional name(s) of conveying parties attached? [] YES [X] NO | Street Address: No. 3 Research Link, Singapore 117602 |
| Nature of conveyance: | Citv: State: |
| [X] Assignment [] Merger | City: State: Zip: Country: <u>Singapore</u> |
| | Additional name(s) & address(es) attached? []YES [X]NO |
| [] Security Agreement [] Change of Name | , |
| [] Other | |
| Execution Date: <u>July 9, 2001</u> | |
| 4. Application number(s) or patent number(s): | |
| f 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).∶ |
| 09/841,705 Additional numbers attach | ed? [] YES [X] NO |
| | |
| 5. Name and address of party to whom correspondence | 6. Total number of application and patents involved: [1] |
| concerning document should be mailed: John Palmer | 7. Total fee 937 CFR 3.41)\$ 40.00 |
| Name: LADAS & PARRY | 7. Total rec 507 57 PC 5. PT/ |
| | [X] Enclosed |
| Internal Address: | a the state was be assumed as |
| Street Address: 5670 Wilshire Boulevard, #2100 | Any additional fees which may be required are |
| Street Address. 50/0 Wilshire Bodievard, #2100 | [X] Authorized to be charged to deposit account |
| City: Los Angeles State: CA Zip:90036-5679 | |
| • | No. <u>12-0415</u> |
| <i>(</i> | |
| 08/23/2001 LMUELLER 00000022 09841705 | 8. Deposit account number: |
| (0.40.75) | (Attach duplicate copy of this page if paying by deposit account) |
| 01 FC:581 40.00 UP DO NOT US | E THIS SPACE |
| 9. Statement and signature | |
| To the best of my knowledge and belief, the foregoing inform | ation is true and correct and any |
| attached copy is a true copy of the original document. | |
| John Palmer | August 16, 2001 |
| John Palmer Name of Person Signing Signatu | Date |
| 5 N 00 005 | t, attachments, and document: [4] plus \$40 check |
| Total number of pages including cover snee Mail documents to be recorded with required cover sheet information to: | t, attachments, and accomment of place 4 to |
| | |
| Commissioner of Patents and Trademarks Box Assignments | |
| Washington, D.C. 20231 | |

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the date needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C., 20503.

Published by THE BUREAU OF NATIONAL AFFAIRS, INC., Washington, D.C. 20037

| ttorney's Docket No. $_$ | B-4120 | <u>618721-6</u> Patent |
|------------------------------------|----------------------------|--|
| | | For: [] U.S. and/or [] Foreign Rights |
| | | For: [X] U.S. Application or [] U.S. Patent |
| | | For: [] PCT Application |
| SIGNMENT OF INVENTIO | N | By: [X] Inventor(s) or [] Present Owner |
| | | |
| | | SIGNOR of the sum of One Dollar (\$1.00), the other good and valuable consideration, |
| BIGNOR: | | |
| ventor(s) or person(s) or | (1) | Wei HUANG |
| ity(ies) who own the ention) | | (type or print name(s) of ASSIGNOR(S) |
| encion) | | 21 Hillview Avenue, #09-04, |
| | | Singapore 669556 |
| | | (Address) |
| | | P.R.C. (Nationality) |
| | | |
| | (2) | Wang Lin YU |
| | | (type or print name(s) of ASSIGNOR(S) |
| | | Blk 346 Clementi Avenue 5, #09-04 |
| | | Singapore 120346 (Address) |
| | | P.R.C. |
| | | (Nationality) |
| | (3) | <u>Jian PEI</u> (type or print name(s) of ASSIGNOR(S) |
| | | Blk 47 Jurong West St. 42 #10-296 |
| | | Singapore 640447 (Address) |
| | | P.R.C. |
| | | (Nationality) |
| | (4) | Soo Jin CHUA |
| | (-, | (type or print name(s) of ASSIGNOR(S) |
| | | 37 Cheng Soon Crescent, |
| | | Singapore 599909 (Address) |
| | | Malaysia |
| | | (Nationality) |
| (if assignment is by person or ent | ity to whom led in PTO, | invention was previously assigned and this was add the following) |
| ecorded on | _ | |
| Reel | | |
| Frame | | |
| eby sells, assigns and tranfers to | 0 | THE TIME OF MATERIAL PROBABOL AND PROTRIES |
| EIGNEE: | | INSTITUTE OF MATERIALS RESEARCH AND ENGINEE (type or print name(s) of ASSIGNEE(S) |
| | | No. 3 Research Link, Singapore 117602 (Address) |
| | | Singapore |
| | | |

PATENT REEL: 012092 FRAME: 0174

| (complete one of the following) |
|--|
| [X] the entire right, title and interest |
| [] an undivided percent (|
| United States and its territorial possessions |
| (check the following box if foreign rights are also to be assigned) |
| [] and in all foreign countries, including all rights to claim |
| priority, in and to any and all improvements which are disclosed in the |
| invention entitled: |
| " BLUE ELECTROLUMINESCENT MATERIALS FOR |
| POLYMER LIGHT-EMITTING DIODES" |
| (check and complete (a), (b), (c) or (d) |
| and which is found in |
| (a) [] U.S. patent application executed on even date herewith |
| (b) [] U.S. patent application executed on |
| [] To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney, as named in the Declaration and Power of Attorney I executed for this invention on the execution date stated above, to insert below the filing date and application number when it becomes known. |
| (c) [X] U.S. Application serial no. 09/841,705 filed on April 24, 2003 |
| (d) [] International application no. PCT/// |
| (e) [] U.S. Patent no issued |
| [] A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately. |
| (also check (e) if foreign application(s) is also being assigned) |
| (f) [] and any legal equivalent thereof in a foreign country, including the right to claim priority |
| and, in and to, all Letters Patent to be obtained for said invention by the |

above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

(Assignment of Invention [16-3] -- page 2 of 3)

PATENT REEL: 012092 FRAME: 0175

| VITNESS WHEREOF, | I/We have hereunto set hand and seal this day of |
|---|---|
| | g must be the same as the date of execution of the application if item (a) |
| checked above. | Wei HUANG |
| | |
| | Huahm |
| | Signature of ASSIGNOR(S) |
| VITNESS WHEREOF, | I/We have hereunto set hand and seal this |
| - ^ | day of |
| | g must be the same as the date of execution of the application if item (a) |
| checked above. | |
| | Wang Lin YU |
| | Lu Ce |
| | Signature of ASSIGNOR(S) |
| | |
| e of signing). | I/We have hereunto set hand and seal this day of g must be the same as the date of execution of the application if item (a) |
| | Jian PEI |
| | |
| | Signature of ASSIGNOR(S) |
| | Signature of Assishor(s) |
| VITNESS WHEREOF, | I/We have hereunto set hand and seal this |
| te of signing). ing: Date of signing | g must be the same as the date of execution of the application if item (a) |
| checked above. | |
| | Soo Jin CHUA |
| | Sonaine 1 |
| | |

(Assignment of Invention [16-3]--page 3 of 3)

PATENT REEL: 012092 FRAME: 0176