

07-01-2008

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE



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To the Director of the U.S. Patent

103511561

of the attached document.

1. Name of conveying parties:

(1) Martin F. SCHUBERT
 (2) Ahmed NOEMAUN
 (3) Sameer CHHAJED

(4) Jong Kyu KIM
 (5) E. Fred SCHUBERT

U.S. PTO
 12/213790
 06/24/2008

2. Name and Address of receiving parties:

(1) Rensselaer Polytechnic Institute
 J. Building 3208
 110 8th Street
 Troy, New York 12180-3590

(2) Samsung Electro-Mechanics Co., LTD
 314 Maetan 3-dong, Yeongtong-gu, Suwon
 Gyunggi-do, 443-743
 Republic of Korea

3. Nature of conveyance:

☒ Assignments (2 sets enclosed) _____ Merger
 _____ Security Agreement _____ Change of Name
 _____ Other: _____

Execution Dates: June 24, 2008

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application.

OR

☐ This document is being filed after filing of the application:

(a) Patent Application No(s) , filed ; or
 (b) Patent No(s) , issued .

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

STAAS & HALSEY LLP

Our Docket: 2116.1001Attention: Gregory W. Harper

1201 New York Ave., N.W., Suite 700

Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

☒ Enclosed
☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

Gregory W. Harper, Reg. No. 55,248
 Name of Person Signing

Signature

June 24, 2008

Date

Total number of pages in document: 5

84 FC:8821

48.00 DP

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

Rensselaer Polytechnic Institute
 J. Building 3208
 110 8th Street
 Troy, New York 12180-3590

Samsung Electro-Mechanics Co., Ltd.
 314 Maetan-3-dong
 Yeongtong-gu,
 Suwon, Gyunggi-do
 Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

**ENCAPSULANT SHAPES FOR LIGHT EMITTING DEVICES LACKING ROTATIONAL SYMMETRY
 DESIGNED TO ENHANCE EXTRACTION OF LIGHT WITH A PARTICULAR LINEAR POLARIZATION**

relating to International Patent Application PCT/____/____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; *(Insert date of execution of application, if not concurrent)*

(b) filed on _____

Serial No. ____/____;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Ave., N.W., Suite 700, Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

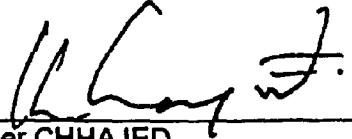
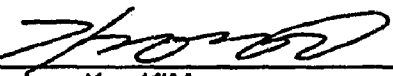

1) M. Schubert 6/24/2008
 Martin F. SCHUBERT

2) A. Noemaun 6/24/2008
 Ahmed NOEMAUN

☒ Additional inventors are being named on separately numbered sheets attached hereto.

PATENT

REEL: 021189 FRAME: 0388

- 3)  06.24.08 _____
Sameer CHHAJED
- 4)  6/24/2008 _____
Jong Kyu KIM
- 5)  June 24, 2008 _____
E. Fred SCHUBERT
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____

U.S. ASSIGNMENT

S&H 703

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

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(Title of Invention)

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(a) executed on _____: (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. ____/____:

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and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) _____
Martin F. SCHUBERT

2) _____
Ahmed NOEMAUN

☒ Additional inventors are being named on separately numbered sheets attached hereto.

- 3) _____
Sameer CHHAJED
- 4) _____
Jong Kyu KIM
- 5) _____
E. Fred SCHUBERT
- 6) C. Sone 6/24/2008
Cheolsoo SONE
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____