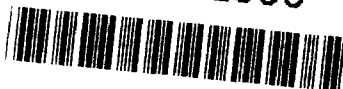


04-28-2006

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

R

T



103229493

To the Director of the U.S. Patent and Trademark Office: Please record this document.

Documents or the new address(es) below.

1. Name of conveying party(ies)

- a) Jérôme C. BHAT
b) Steven T. BOLES

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

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

Execution Date(s) a)= 4-20-2006; b)= 4-21-2006

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Philips Lumileds Lighting Company, LLC

Internal Address: _____

Street Address: 370 W. Trimble Road

City: San Jose

State: California

Country: U.S.A. Zip: 95131

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

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) _____

04/25/2006 FFANAEIA 00000038 11408841

04 F0:8021

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Rachel V. Leiterman

Internal Address: Patent Law Group LLP

Street Address: 2635 North First St., Suite 223

City: San Jose

State: California Zip: 95134

Phone Number: (408) 382-0480

Fax Number: (408) 382-0481

Email Address: rachel@patentlawgroup.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 3910
Expiration Date 06/2007

b. Deposit Account Number 502226
Charge additional fees or credit overpayments to Deposit Account
Authorized User Name Rachel V. Leiterman

9. Signature:

R. Leiterman

Signature

April 21, 2006

Date

Rachel V. Leiterman, Reg. 46,868

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Docket No.: LUM-05-04-07

PATENT
REEL: 017815 FRAME: 0960

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Jérôme C. Bhat and Steven T. Boles

hereby sell, assign and transfer to **Philips Lumileds Lighting Company LLC, a Delaware corporation**, having a place of business at 370 W. Trimble Road, San Jose, CA 95131, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**SEMICONDUCTOR LIGHT EMITTING DEVICE WITH INTEGRATED
ELECTRONIC COMPONENTS**

for which we have filed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignees, its successors, assigns and nominees, at its request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

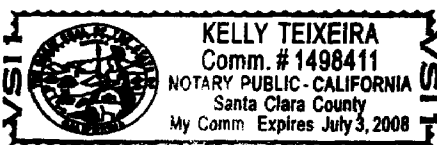
Executed this 20th day of April, 2006.

Jérôme C. Bhat

Jérôme C. Bhat

State of California)
County of Santa Clara) ss.

On April 20 2006 before me, Kelly Teixeira, Notary Public
personally appeared Jerome C. Bhat personally
~~known to me~~ or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.



WITNESS my hand and official seal.

Kelly Teixeira

SIGNATURE OF NOTARY

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Jérôme C. Bhat and Steven T. Boles

hereby sell, assign and transfer to **Philips Lumileds Lighting Company LLC, a Delaware corporation**, having a place of business at 370 W. Trimble Road, San Jose, CA 95131, its successors and assigns, the entire right, title and interest throughout the world in our invention in

SEMICONDUCTOR LIGHT EMITTING DEVICE WITH INTEGRATED ELECTRONIC COMPONENTS

for which we have filed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignees, its successors, assigns and nominees, at its request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this _____ day of _____, 2006.

Jérôme C. Bhat

State of _____)
County of _____) ss.

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

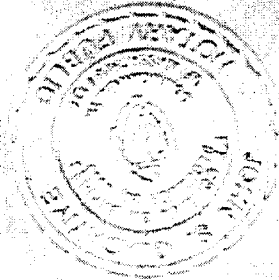
Executed this 24th day of APRIL, 2006.

Steven T. Boles

Steven T. Boles

State of MASSACHUSETTS)
County of Middlesex) ss.

On April 21st 2006 before me, STEVEN TYLER BOLES
personally appeared with a valid identification DLIC. personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.



WITNESS my hand and official seal.

[Signature]
SIGNATURE OF NOTARY

JOHN S. OLADAYIYE
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires Dec. 26, 2008