

01-03-2001

NO: 10001486-1 (M-9346 US)

RECOI



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

101570165

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Name of conveying party(ies):

- (a) Jonathan Joseph Wierer, Jr.
- (b) Michael R. Krames
- (c) Daniel Steigerwald
- (d) Fred A. Kish, Jr.
- (e) Pradeep Rajkomar

Additional name(s) of conveying party(ies) attached?

Yes  No

2. Name and address of receiving party(ies):

Name: LumiLeds Lighting, U.S., LLC  
 Street Address: 310 W. Trimble Road, MS 91 UK  
 City: San Jose State: CA Zip Code: 95131  
 Country: USA

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: (a,b,e) 12/22/99; (c) 2/24/00; and (d) 3/30/00

Name and address of receiving party(ies):

Name: 12-5-00  
 Street Address:  
 City:  
 Country:  
 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) - 09/470,450

Title: Method Of Making A III-Nitride Light-Emitting Device With Increased Light Generating Capability

B. Patent No.(s)

N/A

Additional numbers attached?  Yes  No

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

Name: Rachel V. Leiterman  
 Internal Address: SKJERVEN MORRILL MacPHERSON LLP  
 Street Address: 25 METRO DRIVE, SUITE 700  
 City SAN JOSE State CA Zip 95110

6. Total number of applications and patents involved: 1

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

- Authorized to be charged to Deposit Account 19-2386
- Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

01/03/2001 MTHA11 80000044 192386 09470450 DO NOT USE THIS SPACE  
 01 FC:581 40.00 CH

8. 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.

Rachel V. Leiterman  
Name of Person Signing

R. Leiterman  
Signature

12-1-2000  
Date

Total number of pages comprising cover sheet: 4

When recorded please return to:

AGILENT TECHNOLOGIES  
Legal Department, 51UPD  
P.O. Box 58043  
Santa Clara, CA 95052-8043

PATENT APPLICATION

ATTORNEY DOCKET NO. 10001486-1

**ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each) have agreed and hereby agree to assign to LUMILEDS LIGHTING U.S., LLC, a Delaware corporation having its principal place of business in San Jose, California, (hereinafter LUMILEDS), in furtherance of my/our obligations to LUMILEDS, and do hereby assign and transfer to LUMILEDS, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled

**Method Of Making A III-Nitride Light-Emitting Device With Increased Light Generating Capability**

Filing Date: 12/22/99 Serial No.: 09/470,450

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize LUMILEDS to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by LUMILEDS, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to LUMILEDS, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to LUMILEDS, or its nominee, all known facts respecting said invention(s) or improvements(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid LUMILEDS, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by LUMILEDS;

And I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to LUMILEDS, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

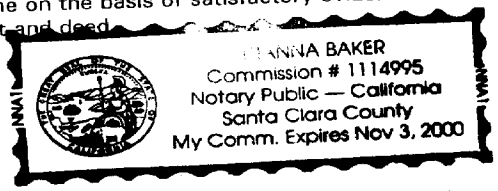
I/we further authorize and direct LUMILEDS attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Jonathan J. Wierer, Jr. Date Assignment Signed: 22 Dec. 1999  
Inventor's Signature (Seal)

Inventor's Typed Name: Jonathan J. Wierer, Jr. Date Application Signed: 22 Dec. 1999

State of California )  
County of Santa Clara ) ss.:

Before me this 22 day of Dec 1999, personally appeared Jonathan J. Wierer, Jr. who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Janna Baker  
Notary Public  
My Commission expires: Nov 3, 2000

(Use Page Two for Additional Inventor(s) Signature(s))

When recorded please return to:

AGILENT TECHNOLOGIES  
Legal Department, 51UPD  
P.O. Box 58043  
Santa Clara, CA 95052-8043

PATENT APPLICATION

ATTORNEY DOCKET NO 10001486-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Michael R. Krames  
Inventor's Signature (Seal)

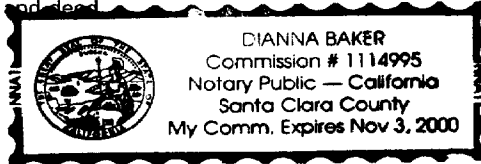
Date Assignment Signed: 12/22/99

Inventor's Typed Name: Michael R. Krames

Date Application Signed: 12/22/99

State of California )  
County of Santa Clara ) ss.:

Before me this 22 day of Dec 1999, personally appeared Michael R. Krames who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Dianna Baker  
Notary Public  
My Commission expires: Nov 3, 2000

D. Steigerwald  
Inventor's Signature (Seal)

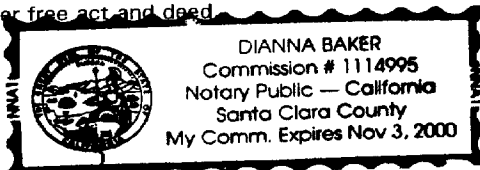
Date Assignment Signed: 24 Feb '00

Inventor's Typed Name: Daniel A. Steigerwald

Date application Signed: 24 Feb '00

State of California )  
County of Santa Clara ) ss.:

Before me this 24<sup>th</sup> day of Feb 2000, personally appeared Daniel A. Steigerwald who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Dianna Baker  
Notary Public  
My Commission expires: Nov. 3, 2000

Fred A. Kish, Jr.  
Inventor's Signature (Seal)

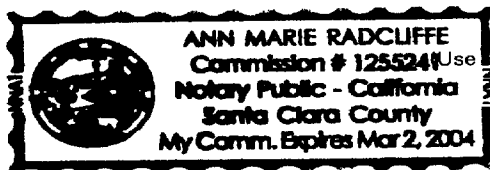
Date Assignment Signed: March 30, 2000

Inventor's Typed Name: Fred A. Kish, Jr.

Date Application Signed: March 30, 2000

State of California )  
County of Santa Clara ) ss.:

Before me this 30<sup>th</sup> day of MARCH 2000, personally appeared Fred A. Kish, Jr. who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Ann Marie Radcliffe  
Notary Public  
My Commission expires: MARCH 2, 2004

Use Page Three For Additional Inventor(s)

When recorded please return to:

AGILENT TECHNOLOGIES  
Legal Department, 51UPD  
P.O. Box 58043  
Santa Clara, CA 95052-8043

PATENT APPLICATION

ATTORNEY DOCKET NO. 10001486-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

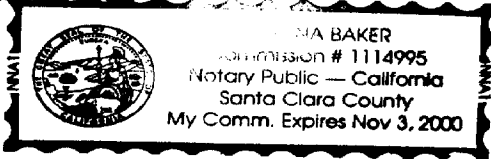
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

*Pradeep Rajkomar* Date Assignment Signed: 12-22-99  
Inventor's Signature (Seal)

Inventor's Typed Name : Pradeep Rajkomar Date Application Signed: 12-22-99

State of California )  
County of Santa Clara ) ss.:

Before me this 22 day of Dec 1999, personally appeared Pradeep Rajkomar who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



*Ma Baker*  
Notary Public  
My Commission expires: Nov. 3, 2000

\_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed: \_\_\_\_\_

Inventor's Typed Name: \_\_\_\_\_ Date application Signed: \_\_\_\_\_

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed: \_\_\_\_\_

Inventor's Typed Name: \_\_\_\_\_ Date Application Signed: \_\_\_\_\_

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

(Use Page Two for Additional Inventor(s) Signature(s))