

10662097  
9-12-03

11-20-2003



102604756

Agents Docket No: LEL-011

17302 U.S. PTO  
10662097  
091203

### RECORDATION COVER SHEET FOR ASSIGNMENT OF PATENT

To the Hon. Commissioner of Patents and Trademarks:

9-12-03

Please record the enclosed copy of an assignment document. Relevant assignment data are as follows:

1. Assignors:

**THOMAS J. KANE**  
1250 Altschul Avenue  
Menlo Park, CA 94025

**GREGORY L. KEATON**  
3847 18<sup>th</sup> Street  
San Francisco, CA 94114

**JAMES J. MOREHEAD**  
5300 Manila Avenue  
Oakland, CA 94618

2. Assignee: **LIGHTWAVE ELECTRONICS CORPORATION**  
2400 Charelston Road  
Mountain View, CA 94043

3. Execution Date of Assignment of Entire Interest in Patent Application: **September 12, 2003**

4. Execution Date of Declaration for Patent Application: **September 12, 2003**

4A. Patent Application No.: **Not Yet Assigned, Filed Herewith**

4B. Patent Number: **Not Assigned**

10662097

4C. Title: **FIBER AMPLIFIER SYSTEM FOR PRODUCING VISIBLE LIGHT**

5. Correspondence address: Joshua D. Isenberg  
JDI PATENT  
204 Castro Lane  
Fremont, CA 94539

6. Total Number of applications and Patents involved: 1

7. Total fee (37 CFR 3.41): \$40

8. Statement and signature:

To the best of my knowledge and belief, the information contained herein is true and correct, and any attached copy is a true copy of the original document.

Joshua D. Isenberg  
Reg. No. 41,088 telephone: (510) 896-8328

*Joshua D. Isenberg*

Date: 9/12/2003

Total number of pages including cover sheet, attachments, and document: 4

11/19/2003 ECOOPER 00000075 10662097

01 FC:8021

40.00 OP

**ASSIGNMENT**

THIS ASSIGNMENT, by

**THOMAS J. KANE, GREGORY L. KEATON AND JAMES J. MOREHEAD**

(hereinafter referred to as the Assignors), residing at **Menlo Park, California, San Francisco, California and Oakland, California** respectively, witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in

**FIBER AMPLIFIER SYSTEM FOR PRODUCING VISIBLE LIGHT**

for which an application for Letters Patent has been executed on 9/12/2003 and is attached hereto.

WHEREAS,

**LIGHTWAVE ELECTRONICS CORPORATION**

(hereinafter referred to as the Assignee), a body having corporate powers under the laws of the state of **CALIFORNIA, MOUNTAIN VIEW, CALIFORNIA 94043**, is desirous of obtaining the entire right, title and interest in and to said inventions and said application for Letters Patent, and in and to any Letters Patent, United States or foreign, to be obtained therefor and thereon;

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) and for other good and sufficient considerations, the receipt of which is hereby acknowledged:

1. The Assignors have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over unto said Assignee, the entire right, title and interest in, to and under said inventions; said application for Letters Patent; any Letters Patent which may be granted for said inventions in the United States of America and any foreign country; any division, continuation, and continuation-in-part of said application; any reissue or extension of said Letters Patent; and all rights under the International Convention for the Protection of Industrial Property; said right, title and interest to be held and enjoyed by said Assignee for its own use and behoove to the full end of the term for which Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors, had this sale and assignment not been made.
2. Said Assignors hereby jointly and severally warrant and represent that, at the time of execution and delivery of these presents, said Assignors are the joint and lawful owners of the entire right, title and interest in and to said inventions and said application for Letters Patent, and that the same have not entered into any assignment, contract or understanding in conflict herewith.
3. Said Assignors hereby jointly and severally covenant and agree to assist and cooperate with said Assignee, whereby said Assignee may enjoy to the fullest extent said right, title and interest herein conveyed, provided, however, that the entire expense which may be incurred by said Assignors in lending such assistance and cooperation be paid by Assignee. Such cooperation shall include: (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect said right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications, declarations and other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee for filing or prosecuting in the United States or any foreign country said application, any application which is a division, continuation, or continuation-in-part of said application, any reissue application for any Letters Patent granted on said application, or for any interference proceeding involving said application or Letters Patent granted thereon; and (c) prompt assistance and cooperation in the prosecution of all legal proceedings involving said inventions, said application, or Letters Patent granted thereon, including oppositions, cancellation proceedings, priority contests, public use proceedings and court actions.

4. The terms, covenants and conditions of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives, and shall be binding upon said Assignors, their heirs, legal representatives and assigns.

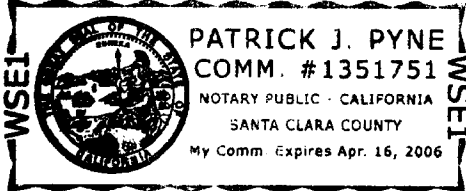
5. Said Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to said Assignee as the assignee of said inventions.

IN WITNESS WHEREOF said Assignors have executed and delivered this instrument on the respective dates noted below.

Date: Sept 12, 2003 Thomas J Kane  
THOMAS J. KANE

State: California - County: Santa Clara -

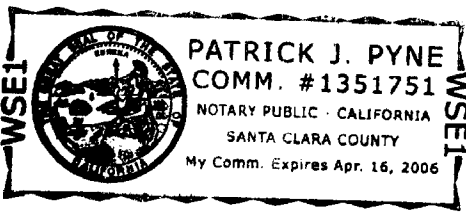
Subscribed and sworn to before me on this 12 day of September, 2003

 Patrick J. Pyne  
Notary Public

Date: 12 Sept. 03 Gregory L Keaton  
GREGORY L. KEATON

State: California - County: Santa Clara -

Subscribed and sworn to before me on this 12 day of September - , 2003

 Patrick J. Pyne  
Notary Public

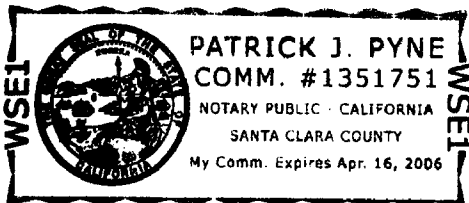
Date: September 12, 2003

James J. Morehead

**JAMES J. MOREHEAD**

State: California County: Santa Clara

Subscribed and sworn to before me on this 12 day of September, 2003



Patrick J. Pyne  
Notary Public