



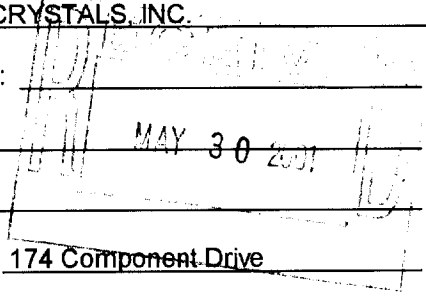
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ched original documents or copy thereof.

1. Name of conveying party(ies):  
Yu-Hwa Lo  
Zuhua Zhu  
Shabbir Bashar  
Additional name(s) of conveying party(ies) attached?  Yes  No

53060

2. Name and address of receiving party(ies)  
Name: NOVA CRYSTALS, INC.  
Internal Address: \_\_\_\_\_  
Street Address: 174 Component Drive  
City: San Jose State: CA ZIP: 95131  
Additional name(s) & address(es) attached?  Yes  No



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: 05/10/01; 05/10/01; 01/29/01

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)  
09/773,765 filed 02/01/01  
B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Michael J. DeHaemer, Jr.  
Internal Address: \_\_\_\_\_  
Street Address: Fish & Neave  
1251 Avenue of the Americas  
City: New York State: NY ZIP: 10020

06/04/2001 6TON11 00000147 09773765  
01 FC:5A1 40.00 OP

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Additional fees are authorized to be charged to deposit account  
8. Deposit account number:  
06-1075  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.*  
Michael J. DeHaemer, Jr. \_\_\_\_\_ Date 5/22/2001  
Name of Person Signing  
Reg. No. 39,164  
Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT

WHEREAS, each of the Undersigned has developed certain inventions described in U.S. patent application titled INTEGRATED SURFACE-EMITTING LASER AND MODULATOR DEVICE ( x ) executed on even date herewith; ( ) executed on \_\_\_\_\_; ( ) now U.S. Application No. \_\_\_ filed \_\_\_; and has full right to convey their entire interest, both legal and equitable, in and to said inventions free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, NOVA CRYSTALS, Inc. ("ASSIGNEE"), a California corporation having executive offices at 174 Components Drive, San Jose, CA 95131, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of the sum of One Dollars (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by each of the Undersigned, each of the Undersigned hereby sells, assigns and transfers unto said ASSIGNEE, its successors and assigns, their entire right, title and interest in and to said invention or inventions, as described in the aforesaid application and all applications resulting therefrom, including any and all divisions, continuations, continuations in part, substitute applications, and reissues or extensions thereof; and all resulting patents.

AND each of the Undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns; the Undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE.

AND, each of the Undersigned further agrees, without any further payment or compensation by said ASSIGNEE or its successors and assigns, to communicate to said ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; to testify in any interference or other legal proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to generally do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

Each of the undersigned hereby authorizes Foley, Hoag & Eliot, of One Post Office Square, Boston, MA 02109, to insert hereon any further identification information necessary or desirable for recordation of this document.

<u>Inventor(s)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1. <u>[Signature]</u> Name: LO, Yu-Hwa	<u>5/10/01</u>	<u>[Signature]</u>
2. <u>[Signature]</u> Name: ZHU, Zuhua	<u>5/10/01</u>	<u>[Signature]</u>
3. <u>[Signature]</u> Name: BASRAR, Shabbir	<u>1/29/01</u>	<u>[Signature]</u>

**ASSIGNMENT**

WHEREAS, each of the Undersigned has developed certain inventions described in U.S. patent application titled *INTEGRATED SURFACE-EMITTING LASER AND MODULATOR DEVICE* ( x ) executed on even date herewith; ( ) executed on \_\_\_\_\_; ( ) now U.S. Application No. \_\_\_ filed \_; and has full right to convey their entire interest, both legal and equitable, in and to said inventions free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

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<u>Inventor(s)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1. _____ Name: LO, Yu-Hwa	_____	_____
2. _____ Name: ZHU, Zuhua	_____	_____
3. _____ Name: BASNAR, Shabbir	1/29/01	