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To the Director of the U.S. Patent and Trademark Office. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Liang Dong  
Donald J. Harter

11-13-03

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

IMRA America, Inc.  
1044 Woodridge Avenue  
Ann Arbor, Michigan 4810517510 U.S. PTO  
10/705817

11/13/03

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

## 3. Nature of conveyance:

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

Execution Date: November 11, 2003

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## 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: November 11, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE MION, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

## 6. Total number of applications and patents involved:

1

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

- ☒ Enclosed.  
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## 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.*

Richard C. Turner

Reg. No. 29,710

November 13, 2003

Date

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## Assignment

Whereas, I/We, Liang Dong of 3111 Fairhaven Court, Ann Arbor, Michigan 48105 and, Donald J. Harter of 3535 Sulgrave Place Ann Arbor, Michigan 48105, respectively, hereinafter called assignor(s), have invented certain improvements in **OPTICAL FIBER PUMP MODULES** and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, IMRA America, Inc., 1044 Woodridge Avenue, Ann Arbor, Michigan 48105 (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date: 11/11/03   
s/ **Liang Dong**  
Date: 11/11/03   
s/Donald J. Harter

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)