

**RECORDATION
PAT**

05-05-2003



102438849

hereof.

TO THE ASSISTANT COMMISSIONER FOR PATENTS: Please

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1) Martin E. Fermann; 2) Donald J. Harter

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

() Yes (X) No

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

Name: IMRA AMERICA

Internal Address:

Street Address: 1044 Woodridge Avenue

City: Ann Arbor State: MI ZIP: 48105

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

() Yes (X) No

Jc714 U.S. PTO
10/424220
04/25/03

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1) April 21, 2003; 2) April 23, 2003

4. Application number(s) or Patent number(s):

- (X) Application(s) filed herewith
Execution Date(s): 1) April 21, 2003;
2) April 23, 2003

- () Patent Application No.:
Filing Date:

- () Patent No.:
Issue Date:

10424220

Additional numbers attached? () Yes (X) No

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

Name: James B. Bear
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Fourteenth Floor

Street Address: 2040 Main Street

City: Irvine State: CA ZIP: 92614

Attorney's Docket No.: IMRAA.015C2

7. Total fee (37 CFR 1.21(h)): \$40

- (X) Enclosed
() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

James B. Bear

Name of Person Signing

Signature

Date

4/25/03

25,221

Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

04/30/2003 RADOFC: 00000012 10424220

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U.S. Patent and Trademark Office
Attn: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

PATENT
REEL: 014014 FRAME: 0561

ASSIGNMENT


WHEREAS, We, Martin E. Fermann, a United States of America citizen, residing at 4786 Oak Hollow Court, Dexter, MI 48130, and Donald J. Harter, a United States of America citizen, residing at 3535 Sulgrave Place, Ann Arbor, MI 48105, have invented certain new and useful improvements in a MODE-LOCKED MULTI-MODE FIBER LASER PULSE SOURCE for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, IMRA AMERICA, INC. (hereinafter "ASSIGNEE"), a Michigan Corporation, with its principal place of business at 1044 Woodridge Avenue, Ann Arbor, MI 48105, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents 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 all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of April, 2003



Martin E. Fermann

STATE OF Michigan }
COUNTY OF Washtenaw } ss.

On Apr 23, 2003, before me, Leona Cranford, personally appeared Martin E. Ferman 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 executed the same in his authorized capacity(ies), and that by his 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.

[SEAL]


Notary Signature
LEONA CRANFORD
NOTARY PUBLIC WAYNE CO., MI
MY COMMISSION EXPIRES Sep 29, 2005

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 23 day of April, 2003



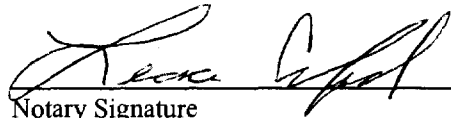
Donald J. Harter

STATE OF Michigan }
COUNTY OF Washtenaw } ss.

On April 23, 2003, before me, Leona Cranford, personally appeared Donald J. Harter 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 executed the same in his authorized capacity(ies), and that by his 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.

[SEAL]



Notary Signature
LEONA CRANFORD
NOTARY PUBLIC WAYNE CO., MI
MY COMMISSION EXPIRES Sep 22, 2008

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04/2003