

01-18-2002



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

1-1402

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please reproduce attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark Gregory Knights
Glen Allan Rines
Masayuki Karakawa

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

Name: Corporation for Laser Optics Research

Internal Address:

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address: 22 Hampton Street

City: Portsmouth State: NH ZIP: 03801

Execution Date: October 15, 2001

Additional name(s) & address(es) attached? Yes No

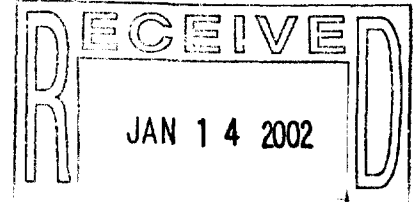
4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/933,456

B. Patent No.(s)



Additional numbers attached? Yes No

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

Name: Wolfgang Stutius

Internal Address: Patent Group

Customer ID 28120

Street Address: Ropes & Gray

One International Place

City: Boston State: MA ZIP: 02110

6. Total number of applications and patents involved: 1

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

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:

18-1945

01/18/2002 AAHMED1 00000053 181945 09933456

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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.

Wolfgang Stutius, Reg. No. 40,256

October 19, 2001

Name of Person Signing

Signature

Date

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

4

ASSIGNMENT

WHEREAS, each of the Undersigned has developed certain inventions described in U.S. patent application titled *Solid State Laser* () executed on even date herewith; () executed on _____; (X) now U.S. Application No. 09/933,456 filed August 20, 2001 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


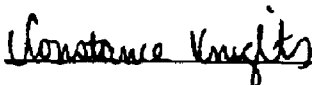
WHEREAS, *Corporation for Laser Optics Research* ("ASSIGNEE"), a *Delaware* corporation having executive offices at 22 Hampton Street, Portsmouth, NH 03801 (USA), is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained 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 Ropes & Gray, of One International Place, Boston, MA 02110, 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></u> Name: Mark Gregory Knights	<u>10/15/01</u>	<u></u>
2. _____ Name: Glen Allan Rines	_____	_____
3. _____ Name: Masayuki Karakawa	_____	_____

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ASSIGNMENT

WHEREAS, each of the Undersigned has developed certain inventions described in U.S. patent application titled *Solid State Laser* () executed on even date herewith; () executed on _____; (X) now U.S. Application No. 09/933,456 filed August 20, 2001 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, *Corporation for Laser Optics Research* ("ASSIGNEE"), a *Delaware* corporation having executive offices at 22 Hampton Street, Portsmouth, NH 03801 (USA), 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;

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<u>Inventor(s)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1. _____ Name: Mark Gregory Knights	_____	_____
2. _____ Name: Glen Allan Rines	_____	_____
3. <u>Masayuki Karakawa</u> Name: Masayuki Karakawa	<u>10-15-01</u>	<u>Robert M. Ziegl</u>

CLOG-P01-003

ASSIGNMENT

WHEREAS, each of the Undersigned has developed certain inventions described in U.S. patent application titled *Solid State Laser* () executed on even date herewith; () executed on _____; (X) now U.S. Application No. 09/933,458 filed August 20, 2001 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, *Corporation for Laser Optics Research* ("ASSIGNEE"), a *Delaware* corporation having executive offices at 22 Hampton Street, Portsmouth, NH 03801 (USA), 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.

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Each of the undersigned hereby authorizes Ropes & Gray, of One International Place, Boston, MA 02110, 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. _____ Name: Mark Gregory Knighte	_____	_____
2. <u>Glen Allan Fines</u> Name: Glen Allan Fines	<u>10-15-01</u>	<u>John C. M. [Signature] 10-15-01</u>
3. _____ Name: Masayuki Karakawa	_____	_____