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Patent and Trademark Office

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To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Charles Xiaoyi Wang
Acle V. Hicks
Edward C. Rea, Jr.

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

Name: COHERENT, INC.

Internal Address: 5100 Patrick Henry Drive

Street Address: 5100 Patrick Henry Drive

City, State and Zip: Santa Clara, California 95054

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

Yes No

Additional Name(s) & address(es) attached?

Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: November 19, 1999

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)
09/416,354

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 A. Stallman

Internal Address: Limbach & Limbach L.L.P.
Street Address: 2001 Ferry Building
City, State, ZIP: San Francisco, California 94111
Telephone: (415) 433-4150
Facsimile: (415) 433-8716

Attorney Docket No. COHL-3800

6. Total number of applications and patents involved: 1

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

- Enclosed
- Charge any deficiencies in the enclosed fee to Deposit Account No. 12-1420
- Authorized to be charged to deposit account

8. Deposit account number: 12-1420

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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.

Michael A. Stallman, Reg. No. 29,444
Name of Person Signing

Michael A. Stallman
Signature

11/23/99
Date

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

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ASSIGNMENT

WHEREAS, WE, Charles Xiaoyi Wang, Aclé V. Hicks and Edward C. Rea, Jr., hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: LASER ROD THERMALIZATION

Application (Declaration/Oath) Execution Date: November 19, 1999

Filing Date: October 12, 1999 Application No.: (COHL-3800) 09/416,354

WHEREAS, COHERENT, INC., a corporation of the State of Delaware, 5100 Patrick Henry Drive, Santa Clara, California 95054 hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee ~~as~~ fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

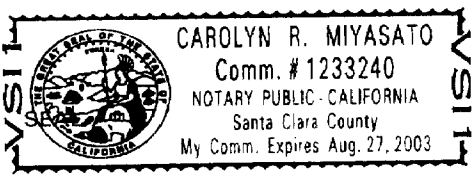
Date: Nov. 19, 1999 Charles Xiaoyi Wang
Charles Xiaoyi Wang

State of California
County of Santa Clara

On Nov. 19, 1999 before me, Carolyn R. Miyasato

personally appeared Charles Xiaoyi Wang 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/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ 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.
Carolyn R. Miyasato
Signature of Notary



IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: Nov 19, 1999 Acle V. Hicks
Acle V. Hicks

State of California

County of Santa Clara

On Nov. 19, 1999 before me, Carolyn R. Miyasato

personally appeared Acle V. Hicks 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.
Carolyn R. Miyasato
Signature of Notary

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

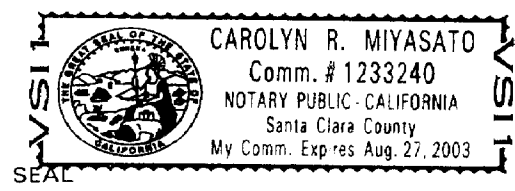
Date: 11/19/99 Edward C. Rea, Jr.
Edward C. Rea, Jr.

State of California

County of Santa Clara

On Nov. 19, 1999 before me, Carolyn R. Miyasato

personally appeared Edward C. Rea, Jr. 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.
Carolyn R. Miyasato
Signature of Notary