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PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | | | NEW ASSIGNMENT | | | |
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| NATURE OF CONVEYANCE: | | | ASSIGNMENT | | | |
| CONVEYING PARTY | / DATA | | | | | |
| | | N | Name | | Execution Date | |
| COHERENT, INC. | | | | | 09/27/2013 | |
| RECEIVING PARTY | DATA | | | | | |
| Name: | COHERENT L | _ASERS | SYSTEMS GMBH & CO. KG | | | |
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| Postal Code: | D-37079 | | | | | |
| PROPERTY NUMBE | | | Number | | | |
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| | | 603824 | | | | |
| Property | <i>,</i> Туре | 603824 | | | | |
| Property Patent Number: | / Type | 603824 | 41 | | | |
| Property Patent Number: CORRESPONDENC Fax Number: Phone: | / Type E DATA (415 | 5)268-75 2686003 | 522 3 | | | |
| Property Patent Number: CORRESPONDENC Fax Number: Phone: Email: | E DATA (415) | 5)268-75 2686003 ris@mof | 522 3 fo.com | | | |
| Property Patent Number: CORRESPONDENC Fax Number: Phone: Email: Correspondence will | E DATA (415 4152 jpetr | 5)268-75 2686003 is@mof | 522 3 fo.com or the email attempt is unsuccessful. | | | |
| Property Patent Number: CORRESPONDENC Fax Number: Phone: Email: | E DATA (415 4152 jpetr be sent via US Mae: MIC | 5)268-75 2686003 is@mof <i>ail when</i> HAEL A | 522 3 fo.com | | | |
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PATENT REEL: 031505 FRAME: 0016

Total Attachments: 2

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Attorney Docket No.: 658302017700 Client Reference: COHL-03550

CORPORATION TO CORPORATION ASSIGNMENT

This Assignment is by:

Corporation: Coherent, Inc.

Address: 5100 Patrick Henry Drive, Santa Clara, California 95054

A corporation duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignor"), is the sole and exclusive owner, by assignment, of the U.S. Patent identified below:

PULSED-LASER WITH FIRST-PULSE CONTROL

Patent No.: 6.038,241 Issue Date: March 14, 2000

This Assignment is to:

Assignee: Coherent LaserSystems GmbH & Co. KG

Address: Hans-Böckler-Strasse 12, Göttingen, Germany D-37079

A corporation duly organized under and pursuant to the laws of: Germany

(referred to in this Assignment as "Assignee"), who desires to acquire the entire right, title and interest in, to and under said patent application and the inventions covered thereby.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

- 1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for letters patent, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisionals, divisions, continuations, continuations-in-part and substitutions of said application, or reissues, re-examinations or extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
- 2. Assignor shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, including, without limitation, (a) said inventions, or said application for letters patent; (b) letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any application for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.
- 3. Assignor hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patents of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

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Attorney Docket No.: 658302017700 Client Reference: COHL-03550

4. "I hereby grant Assignee's attorneys, all of Morrison & Foerster LLP, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: 5444 77, 1013

Signature:

mire:

Name: Bret M. DiMarco

Title: Executive Vice President and General Counsel

Company: Coherent, Inc.

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PATENT REEL: 031505 FRAME: 0018