

4/11/05

04-13-2005

FORM PTO-1595 (modified)

(Rev 6-93)

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To the Director of the United States Patent and Trademark Office

to record the attached original documents or copies thereof.

1. Name of conveying party(ies):

David G. Grier  
Jennifer E. Curtis

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

University of Chicago  
5555 S. Woodlawn Ave.  
Suite 300  
Chicago, IL 60637

Additional conveying party(ies) NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

March 15, 2005

Additional name(s) & address(es) attached? NO

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

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

A. Patent Application Number(s):

10/659,153

B. Patent Number(s):

Additional numbers attached? YES

2005 APR 11 AM 8:22  
OPR/FINANCE

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

Michael D. Rehtin  
FOLEY & LARDNER LLP  
321 North Clark Street  
Suite 2800  
Chicago, Illinois 60610-4764  
040563/0167

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

Check Enclosed

Charge to deposit account

8. Deposit account number: 06-1450

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Michael D. Rehtin

4/17/05

Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

04/12/2005 ECDOPER 00000248 10659153

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(40.00 DP)

011.1257047.1

**ASSIGNMENT AND AGREEMENT**

*WHEREAS*, **David G. Grier** of 120 W. 15th St. Apartment 2G. New York, NY 10011, and Jennifer E. Curtis J7, 1, D - 68159 Mannheim, Germany; (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled Transverse Optical Accelerator and Generalized Optical Vortices for which an application for United States Letters Patent was filed on September 10, 2003 as Application No. 10/659,153; and

*WHEREAS*, **University of Chicago**, a corporation duly organized and existing under the laws of the State of Illinois, and having its principal place of business at 5555 South Woodlawn Avenue, Suite 300, Chicago, Illinois 60637 (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

*NOW THEREFORE*, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, and in the (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

*ASSIGNOR HEREBY AUTHORIZES AND REQUESTS* the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

*ASSIGNOR HEREBY AGREES* (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations,

Atty. Dkt. No. 40563/167

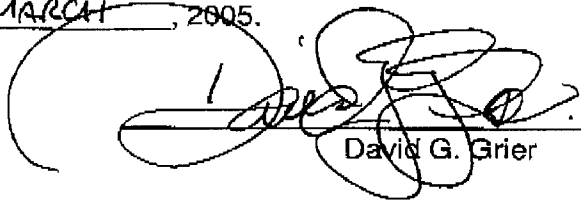
assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

*ASSIGNOR HEREBY REPRESENTS AND WARRANTS* that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

*ASSIGNOR HEREBY GRANTS* to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

*ASSIGNOR UNDERSTANDS AND AGREES* that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 10<sup>TH</sup> day of MARCH, 2005.

  
\_\_\_\_\_  
David G. Grier

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Jennifer E. Curtis

Atty. Dkt. No. 40563/167

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**NOW THEREFORE**, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, and in the (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

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Atty. Dkt. No. 40563/167

and protection for said invention or inventions, improvements, and modifications under the Intellectual property laws of the United States and countries foreign thereto.

**ASSIGNOR HEREBY REPRESENTS AND WARRANTS** that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

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Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
David G. Grier

Executed this 15 day of March, 2005.

  
\_\_\_\_\_  
Jennifer E. Curtis