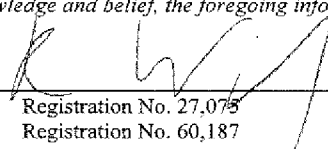


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| 1. A. Name of conveying party: KYOTO UNIVERSITY B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | 2. A. Name and address of receiving party: TDK CORPORATION 1-13-1, NIHONBASHI, CHUO-KU, TOKYO 103-8272, JAPAN B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| 3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ B. Execution Date: <u>June 17, 2009</u> | | | | | |
| 4. A. Patent Application No.(s) <u>11/794,121</u> B. Patent No.(s) <u>7,428,352</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No C. Title of Application: <u>TWO-DIMENSIONAL PHOTONIC CRYSTAL AND OPTICAL FUNCTION ELEMENT USING THE SAME</u> | | | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: <u>OLIFF & BERRIDGE, PLC</u> <u>P.O. Box 320850</u> <u>Alexandria, VA 22320-4850</u> <u>Phone Number: 703-836-6400</u> <u>Fax Number: 703-836-2787</u> | | | 6. Total number of applications and patents involved: <u>1</u> 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of <u>\$40.00</u> . 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461. | | |
| 9. Statement and signature. <i>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.</i>  James A. Oliff Registration No. 27,075 Kipman T. Werking Registration No. 60,187 Date: <u>June 30, 2009</u> | | | | | |

CH \$40.00 150461 7428352

ASSIGNMENT

WHEREAS, Kyoto University, a company established under the laws of Japan whose address is 36-1, Yoshida-honmachi, Sakyo-ku, Kyoto-shi, Kyoto 606-8501, Japan (hereinafter called "Assignor"), is a co-owner of the following Letters Patent and/or patent application (hereinafter called "Patent Properties"), which ownership, to the extent recorded in the United States Patent and Trademark Office, is evidenced at the Reel and Frame indicated below:

| <u>Application or Patent Number and Date of Filing or Issue</u> | <u>Named Inventors</u> | <u>Reel and Frame</u> |
|---|---|---------------------------|
| 7,428,352; September 23, 2008 | Susumu NODA; Takashi ASANO; Bong-Shik SONG; Seiichi TAKAYAMA | 019914; 0069 |

The undersigned has reviewed all the documents in the chain of title identified above; and to the best of the undersigned's knowledge and belief, joint title is in the Assignor. The undersigned is empowered to sign this Assignment on behalf of the Assignor.

WHEREAS, TDK Corporation, a company established under the laws of Japan whose address is 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan (hereinafter called "Assignee"), is a co-owner of the Patent Properties, and is desirous of acquiring the entire right, title and interest for the entire world, including the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, non-provisional, divisional, continuation, ancestral (e.g., parent), international, foreign, design, confirmation, substitute and reissue application(s) or extensions of the same, as well as any and all applications claiming priority from such applications and any and all applications from which they claim priority.

Now, To All Whom It May Concern: Be it known that for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, unto Assignee, its successors, assigns and legal representatives, Assignor's right, title and interest for the entire world, including the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), and any and all provisional, non-provisional, divisional, continuation, ancestral (e.g., parent), international, foreign, design, confirmation, substitute and reissue application(s) or extensions thereof, as well as any and all applications claiming priority from such applications and any and all applications from which they claim priority; the same to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of said Patent Properties with the right to sue for and collect the same for its own use and for the use of its successors, assigns and legal representatives.

Assignor agrees that this assignment is binding on Assignor and its successors, assigns and legal representatives.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any Letters Patent of the United States (and the appropriate officer of any relevant foreign country to issue any Patent of such country), resulting from said Patent Properties and any confirmations, divisions, continuations, counterparts, reexaminations, reissues or extensions thereof, to Assignee.

Assignor agrees to execute all papers necessary in connection with any interference which may be declared concerning said Patent Properties (and/or patents that may be granted therefrom), or any confirmation, division, continuation, reexamination or reissue thereof, and to cooperate with Assignee in every way possible in obtaining evidence and going forward with such interference.

Assignor covenants that it has full right to convey the interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

Assignor agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Assignor agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to Assignee.

Assignor grants the firm of OLIFF & BERRIDGE, PLC of Alexandria, Virginia 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 (or other foreign patent office) for recordation of this document.

This Assignment is effective as of the 17 day of June, 2009

Witness

H. Matsumoto
Signature
Officer of Assignor

Witness

Hiroshi MATSUMOTO
Typewritten Name of Officer

President
Title of Officer