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Docket No.:

HEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Y 09/889844

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

1. Name of conveying party(ies):

Totaro IMASAKA

11/08/01

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: August 16, 2001

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

Name: KITAKYUSHU TECHNOLOGY CENTER

CO., LTD.

Internal Address: \_\_\_\_\_

Street Address: 2-1, Nakabaru Shinmachi,  
Tobata-ku, Kitayushu-shi, Fukuoka

City: 804-0003, JAPAN State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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)

09/889,844

B. Patent No.(s)

11/09/2001 UEDUWIFE 00000109 09889844

02 FC:581

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Additional numbers attached? ☐ Yes ☒ No

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

Name: George A. Loud, Esquire

Internal Address: LORUSSO & LOUD

Street Address: 3137 Mount Vernon Avenue

City: Alexandria State: VA ZIP: 22305

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:

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.

George A. Loud, Reg. No. 25,814

Name of Person Signing

Signature

08 NOV 2001

Date

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

PATENT

REEL: 012341 FRAME: 0582

ASSIGNMENT

WHEREAS, I, Totaro IMASAKA

of 10-30, Sakurazaka 2-chome, Chuo-ku, Fukuoka-shi, Fukuoka 810-0024 Japan

\_\_\_\_\_ have invented  
certain improvements in "METHOD AND APPARATUS FOR GENERATING ULTRASHORT  
OPTICAL PULSES THROUGH USE OF A RAMAN RESONATOR" set forth in an  
application for Letters Patent of the United States; and

WHEREAS, KITAKYUSHU TECHNOLOGY CENTER CO., LTD  
\_\_\_\_\_ of 2-1, Nakabaru Shinmachi, Tobata-ku, Kitakyushu-shi, Fukuoka 804-  
0003 Japan

\_\_\_\_\_ is desirous of acquiring an interest therein;

NOW THEREFORE, for and in consideration of the sum of One Dollar  
(\$1.00) and other good and valuable consideration, the receipt of which is  
hereby acknowledged, I, Totaro IMASAKA

\_\_\_\_\_ by these presents do sell, assign and transfer unto said KITAKYUSHU  
TECHNOLOGY CENTER CO., LTD

\_\_\_\_\_ its successors, legal representatives, heirs and assigns, the full  
and exclusive right, title and interest in the United States of America  
said application executed on the 16th day of August,  
2001, (and we hereby authorize my attorneys, authorized to prosecute

Serial No. 09/889,844 Filed July 23, 2001 ) to  
all Letters Patents in the United States which may be granted on said  
application, to all divisions, continuations and continuations-in-part of  
said application, or reissues or extensions of said Letters Patent, all  
applications for Letters Patent and all Letters Patent therefor, to be held  
and enjoyed by KITAKYUSHU TECHNOLOGY CENTER CO., LTD

\_\_\_\_\_ for its use and behoof and for its legal representatives, successors, heirs, and assigns, to the full end of the term for which said Letters Patent are granted and any extensions thereof, as fully and entirely as the same would have been held by us had this assignment and sale not been made; and for the same consideration, we hereby covenant and agree that, at the time of execution and delivery of this instrument, we hold good and full right and lawful authority to sell and convey the application for Letters Patent above mentioned in the manner herein set forth; and for the same consideration we hereby covenant and agree that we will, whenever counsel of KITAKYUSHU TECHNOLOGY CENTER CO., LTD

\_\_\_\_\_ or the counsel of its successors, legal representatives, heirs or assigns, shall advise that any proceeding in connection with said application for Letters Patent, or any proceeding in connection with Letters Patent in the United States, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of said Letters Patent, without charge to us, our successors, legal representatives, heirs and assigns, but at the cost and expense of

KITAKYUSHU TECHNOLOGY CENTER CO., LTD

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its successors, legal representatives, heirs and assigns; and we hereby  
request the Commissioner of Patents to issue said Letters Patent to  
KITAKYUSHU TECHNOLOGY CENTER CO., LTD

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\_\_\_\_\_ as assignee thereof.

*Totaro Imasaka*  
Totaro IMASAKA

*August 16, 2001*  
date

\_\_\_\_\_  
date

\_\_\_\_\_  
date