U.S. Department of Commerce

PA 1201878010 To the Commissioner for Patents. Please record the attached original documents or copies thereof. 1. Name of Conveying Party(ies): 2. Name and Address of Receiving Party(ies): Shyh-Lin TSAO Name: Yuan Ze University Shin-Ge LEE Peng-Chun PENG Internal Address: Ming-Chun CHEN Street Address: No. 135, Yuan-Tung Road Additional names of conveying parties attached. 3. Nature of Conveyance: City, State, Zip: Chung-Li City, Tao-Yuan Hsien, □ Merger Taiwan R.O.C. ☐ Security Agreement ☐ Change of Name ☐ Other: Execution Date: September 20, 2001 ☐ Additional name(s) and address(es) attached. 4. (A) Patent Application Number(s): 4. (B) Patent Number(s): If this document is being filed together with a new 9/20/01 application, the execution date of the application is: ☐ Additional Numbers Attached 5. Name and Address of Party to whom Correspondence Concerning this Total Number of Applications and Document Should be Mailed: Patents Involved: 7. Total Fee: Name: Eugene Mar \$40.00 (37 CFR 3.41) Address: Bacon & Thomas, PLLC ☑ Enclosed 625 Slaters Lane Fourth Floor Authorized to be charged to deposit account Alexandria, VA 22314 8. Deposit Account Number: 02-0200 Customer 23364 ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT DO NOT USE THIS SPACE 9. Statement and Signature: To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. Richard E. Fichter October 11, 2001 Name of Person Signing Date Total number of pages including cover sheet, attachments and document: 3

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PATENT

REEL: 012248 FRAME: 0997

ASSIGNMENT (Utility)

WHEREAS, I (we).

whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented a certain new and useful DESIGN for SILICON-ON-INSULATOR OPTICAL WAVEGUIDE MICHELSON

INTERFEROMETER SENSOR FOR TEMPERATURE MONITORING (hereinafter referred to as the DESIGN) for which an application for United States Letters Patent was

mexecuted on even date herewith

X executed on:

L. filed on:

Serial No.:

WHEREAS. Yuan Ze University whose post office address is No. 135, Yuan-Tung Road, Chung-Li City, Tao-Yuan hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States:

Hsien, Taiwan, R.O.C.

NOW, THEREFORS, for good and valuable consideration, ruceipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said DESIGN and application throughout the United States of America and in and to any and all DESIGN Patents granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said DESIGN, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said DESIGN, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the DESIGN that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all DESIGN Patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole us and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such DESIGN Patents may be granted, as fully and entirely as the same would have been by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

| Assignor Name | Address |
|--|--|
| Shyh-Lin TSAO | No. 1, Alley 25, Lane 14, |
| Where Signed Chung-Li, Taiwan, R.O.C. | Hwan-Ho Road, Hsin-Tien City Taipei Hsien, Taiwan, R.O.C. |
| Daw September, 20, 2001 | Slight- Lin Tsav |
| | (Notarization preferred but not required) |
| : | s, |
| Before me personally appeared said | and acknowledged |
| this instrument to be his (her) free act and deed this | - 11 |
| | |
| | Notary Public |
| | |

ASSIGNMENT (Utility)

| Assignor Name | Address |
|--|---|
| Shin-Ge LEE | No. 35, Ai-Liu Street, Tão-Yu an |
| Where Signed Chiing-Li Taiwan R O C | City, Tao-Yuan Hsien, Taiwan, |
| Sentember 20 2001 | Standard Shin Ge Lee |
| | (Notarization preferred but not required) |
| Before me personally appeared said | |
| this instrument to be his (her) free act and deed this | and acknowledged, 19 |
| | |
| | |
| | Notary Public |

| Assignor Name Peng-: Chun PENG | 5th Floor, No. 41, Lane 70, |
|--|--|
| Where Signed Chung-Li, Taiwan, R.O.C. | Sec. 3, Hsiu-Lang Road, Chung-Ho City, Taipei Hsien, |
| September 20, 2001 | Signature Peng - Chun Peng |
| Before me personally appeared said | (Notarization preferred but not required) 88. and acknowledged |
| this instrument to be his (her) free act and deed this | day of, 19 |
| | Notary Public Ny Commission Papires: |

| | Notary Public My Commission Expires: |
|---|--|
| Before me personally appeared said this instrument to be his (her) free act and deed this | day of, 19 |
| | (Notarization preferred but not required) |
| September 20, 2001 | Ming-Chun CHEN |
| Where Signed Chung-Li, Taiwan, R.O.C. | 6th Street, Chung-Li City, Tao-Yuan Hsien, Taiwan, R.O. |
| Assignor Name Ming-Chun CHEN | 10th Floor, No. 79, Fu-Hsing |

PATENT
RECORDED: 10/11/2001 REEL: 012248 FRAME: 0999