|  |                          |   | DOCKEL NO                               | . 36403 (47080)                 | 110                    |
|--|--------------------------|---|---|---------------------------------|------------------------|
| FORM PTO-1595 (Modified)<br>(Rev. 03-01)<br>OMB No. 0651-0027 (exp.5/31/2002)  | 06-03-                   | 2003  | Т                                       | U.S. DEPARTMENT Patent and      | OF COMMER Trademark Of |
| P08A/REV03   |                          |   | _                                       | _                               | _                      |
| Tab settings • • • • • • • • • • • • • • • • • • •   | 402A6                    | 2671 record the                                       | ottoob ad orinin                        | V                               | <b>V</b>               |
| To the Honorable Commissioner of Pater   | 10240                    |   |   |                                 | copy thereo            |
| 1. Name of conveying party(ies):  Kevin Lee (04/10/03)  Desmond Lim (05/20/03)  Tae H. Park (04/10/03)  5 - 28 - 03  Additional names(s) of conveying party(ies) | Yes 🛛 No                 |   | Technologies, I e Broadway, 14          | nc.                             |                        |
| 3. Nature of conveyance:   |                          |   |   |                                 |                        |
|  | erger                    |   |   |                                 |                        |
| ☐ Security Agreement ☐ Ch  | ange of Name             | City: Cambrid   | lge                                     | State/Prov.                     | : <b>MA</b>            |
| ☐ Other  |                          | Country:  |   | ZIP: 02142                      | 2                      |
| Execution Date: May 20, 2003   |                          | Additional name(s)                                    | & address(es)                           | □ Yes                           | ⊠ No                   |
| Patent Application No. Filing date  10/314,431  December 7   |                          | B. Pater  | • • •                                   |                                 |                        |
|  | Additional numbers       | ☐ Yes 🛛 I   | No                                      |                                 |                        |
| Name and address of party to whom correspondence concerning document should be mailed:   |                          | 6. Total number of applications and patents involved: |   |                                 |                        |
| Name: Howard M. Gitten   |                          | 7. Total fee (37 (                                    | CFR 3.41):                              | \$ 40.00                        |                        |
| Registration No. 32,138  |                          |   | - Any excess or<br>r debited to dep     | r insufficiency sho             | ould be                |
| Address: 350 East Las Olas Blvd., Suite 11   | 50                       |   | •                                       |                                 |                        |
| 6/02/2003 GTON11 00000062 10314431   |                          | ☐ Authorized  | to be charged                           | I to deposit accou              | nt                     |
| 0) FC:8021 40.00 DP  |                          | 8. Deposit accou                                      | nt number:                              |                                 |                        |
| City: Ft. Lauderdale State/P   | rov.: FL                 | 04-1105   |   |                                 |                        |
| Country: ZIP: 33   | 3301                     | (Attach duplicat                                      | e copy of this page                     | e if paying by deposit a        | account)               |
|  | DO NOT U                 | SE THIS SPACE   |   |                                 |                        |
| <ol> <li>Statement and signature.         To the best of my knowledge and belief, th of the original document.     </li> <li>Howard M. Gitten</li> </ol>         | e foregoing informa      | tion is true and co                                   | rrect and any a                         | attached copy is a May 23, 2003 | true copy              |
| Name of Person Signing   |                          | Signature   | - · · · · · · · · · · · · · · · · · · · | Date                            |                        |
| •  | ber of pages including c | -   | ts, and                                 | 4                               |                        |

## **ASSIGNMENT**

WHEREAS, we, Kevin Lee, residing at 79 Waite St., Ext. #53, Malden, Massachusetts 02148, Desmond Lim, residing at 16 Wilmonar Avenue, Singapore 588048, and Tae H. Park, residing at 70 Pacific Street, #264C, Cambridge, Massachusetts (hereinafter referred to as "Assignors"), for good and valuable consideration from LNL Technologies, Inc. a corporation duly organized under the laws of the state of Delaware, having its principal place of business at One Broadway, 14<sup>th</sup> Floor, Cambridge, Massachusetts 02142 (hereinafter called the "Assignee") receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial Nos. 10/314,431 and 60/398,950 for improvements in INTEGRATED MODE CONVERTER, WAVEGUIDE, AND ON-CHIP FUNCTION, including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned agree to furnish all pertinent facts and documents relating to said application, said invention and said patent as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent or reissue patent issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

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

The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

PMB\_211370\_1.DOC/HGITTEN

PATENT REEL: 014115 FRAME: 0211

The undersigned hereby grant EDWARDS & ANGELL, LLP of P.O. Box 9169, Boston, MA 02209, U.S.A. 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 U.S. Patent and Trademark, Office for recordation of this document.

Dated this 10th day of April, 2003.

Kevin Lee

State of \_\_\_\_\_ML County of Middlesex

Personally appeared before me the above-named, who signed the foregoing instrument of assignment in my presence on the date thereof and acknowledged the same to be his free act and deed.

NOTARY PUBLIC

My Commissioner Expires:

MARLENE A. CONNOR NOTARY PUBLIC MY COMMISSION EXPIRES 35-3-2003

Dated this 20th day of May, 2003.

Desmond Lim

State of MA County of Middlesex

SARA GEBERMARIAM Notary Public My Commission Service Cov. 5, 2004

Personally appeared before me the above-named, who signed the foregoing instrument of assignment in my presence on the date thereof and acknowledged the same to be his free act and deed.

My Commissioner Expires:

MY'COMMISSION EXP

**PATENT** REEL: 014115 FRAME: 0212 Dated this 10 day of April, 2003.

Tae H Park

State of MA.

County of Middlesex.

Personally appeared before me the above-named, who signed the foregoing instrument of assignment in my presence on the date thereof and acknowledged the same to be his free/act and deed.

NOTARY PUBLIC

My Commissioner Expires:

MARLENE A. CONNOR NOTARY PUBLIC MY COMMISSION EXPIRES 8-5-2005

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PATENT REEL: 014115 FRAME: 0213