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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Kazunori MUNE
Ryuusuke NAITOU
Amane MOCHIZUKI
Atsushi HINO
Mika HORIIKE

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
NITTO DENKO CORPORATION
1-2, Shimohozumi 1-chome, Ibaraki-shi
Osaka, Japan

Additional name(s) & address(es) attached? Yes No

22241 U.S. PTO
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3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: October 20, 2003

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: October 20, 2003
A. Patent Application No.(s)
Not yet assigned
10 700635
Additional numbers attached? Yes No

B. Patent No.(s)
Not yet assigned
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE MION, PLLC
WASHINGTON OFFICE
23373
CUSTOMER NUMBER
11/10/2003 DBYRNE 00000073 10700635
01 MC:8021 40.00 DP

6. Total number of applications and patents involved:
1
7. Total fee (37 CFR 3.41): \$40.00
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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.
John Callahan Reg. No. 32,607 November 5, 2003
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ASSIGNMENT

Whereas, I/we Kazunori MUNE, Ryuusuke NAITOU, Amane MOCHIZUKI, Atsushi HINO, and Mika HORIIKE, all of Osaka, Japan

hereinafter called assignor(s), have invented certain improvements in
PROCESS FOR PRODUCING THREE-DIMENSIONAL POLYIMIDE OPTICAL WAVEGUIDE
and executed an application for Letters Patent of the United States of America therefor on

October 20, 2003; and

Whereas, NITTO DENKO CORPORATION,
1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: October 20, 2003 s/ Kazunori Mune

Date: October 20, 2003 s/ Ryuusuke Naitou

Date: October 20, 2003 s/ Amane Mochizuki

Date: October 20, 2003 s/ Atsushi Hino

Date: October 20, 2003 s/ Mika Horiike

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)