

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Naohide TAKAMOTO | 07/11/2011 |
| Goji SHIGA | 07/11/2011 |
| Fumiteru ASAI | 07/11/2011 |
| RECEIVING PARTY DATA | |
| Name: | NITTO DENKO CORPORATION |
| Street Address: | 1-2, Shimohozumi 1-chome |
| City: | Ibaraki-shi, Osaka |
| State/Country: | JAPAN |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13184994 |
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| Total Attachments: 1 source=ASSIGNMENT_EXECUTED_AS_FILED#page1.tif | |

OP \$40.00 13184994

ASSIGNMENT

Whereas, I/we Naohide TAKAMOTO, Goji SHIGA and Fumiteru ASAI,
all of Osaka, Japan

hereinafter called assignor(s), have invented certain improvements in
FILM FOR FLIP CHIP TYPE SEMICONDUCTOR BACK SURFACE, DICING
TAPE-INTEGRATED FILM FOR SEMICONDUCTOR BACK SURFACE, PROCESS FOR
PRODUCING SEMICONDUCTOR DEVICE, AND FLIP CHIP TYPE SEMICONDUCTOR DEVICE

and executed an application for Letters Patent of the United States of America therefor on

July 11, 2011 ; and

Whereas, NITTO DENKO CORPORATION of
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: July 11, 2011 s/ Naohide Takamoto

Date: July 11, 2011 s/ Goji Shiga

Date: July 11, 2011 s/ Fumiteru Asai

Date: s/ _____

Date: s/ _____

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

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