

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Tadashi OHACHI</td><td>02/19/2008</td></tr><tr><td>Takashi UDAGAWA</td><td>02/18/2008</td></tr></tbody></table>	Name	Execution Date	Tadashi OHACHI	02/19/2008	Takashi UDAGAWA	02/18/2008					
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<table border="1"><tr><td>Name:</td><td>SHOWA DENKO K.K.</td></tr><tr><td>Street Address:</td><td>13-9, Shiba Daimon 1-chome, Minato-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>105-8518</td></tr></table>	Name:	SHOWA DENKO K.K.	Street Address:	13-9, Shiba Daimon 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8518	
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12063002</td></tr></tbody></table>	Property Type	Number	Application Number:	12063002							
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CORRESPONDENCE DATA											
Fax Number: (202)293-7860 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	Q89672										

PATENT

500482864

REEL: 020623 FRAME: 0497

CH \$40.00 12063002

NAME OF SUBMITTER:

Abraham J. Rosner

Total Attachments: 1

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ASSIGNMENT

Whereas, I/we

1. OHACHI Tadashi
of c/o DOSHISHA UNIVERSITY
1-3 Tatara Miyakodani, Kyotanabe-shi, Kyoto 610-0394, JAPAN
2. UDAGAWA Takashi
of c/o SHOWA DENKO K.K.,
1505 Shimokagemori, Chichibu-shi, Saitama 369-1871, JAPAN

hereinafter called assignor(s), have invented certain improvements in

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME
and executed an application for Letters Patent of the United States of America therefor on
February 18 and 19, 2008 ; and

Whereas,

1. SHOWA DENKO K.K.
of 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, JAPAN
2. THE DOSHISHA
of 601 Genbu-cho, Karasuma-higashi-iru, Imadegawa-dori, Kamigyo-ku, Kyoto-shi,
Kyoto 602-8580, 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 12/063,002, filed February 5, 2008) the filing date and application number of said application when known.

Date: February 19, 2008

s/ Tadashi Ohachi
OHACHI Tadashi

Date: February 18, 2008

s/ Takashi Udagawa
UDAGAWA Takashi

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