

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Yoshiaki Shimooka</td><td>02/09/2006</td></tr><tr><td>Tadashi Iijima</td><td>02/13/2006</td></tr></tbody></table>	Name	Execution Date	Yoshiaki Shimooka	02/09/2006	Tadashi Iijima	02/13/2006	
Name	Execution Date						
Yoshiaki Shimooka	02/09/2006						
Tadashi Iijima	02/13/2006						
RECEIVING PARTY DATA							
Name:	Toshiba America Electronic Components, Inc.						
Street Address:	9775 Toledo Way						
City:	Irvine						
State/Country:	CALIFORNIA						
Postal Code:	92618						
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>12368598</td></tr></tbody></table>	Property Type	Number	Application Number:	12368598			
Property Type	Number						
Application Number:	12368598						
CORRESPONDENCE DATA							
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Total Attachments: 1 source=663800045executedassigfrom0017#page1.tif							

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PATENT
REEL: 022234 FRAME: 0189

Attorney Docket No. 008838.00017

ASSIGNMENT

- (1-8) *Name(s) of Inventor(s)* (1) Yoshiaki Shimooka
(2) Tadashi Iijima
In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
- (9) *Name of Assignee* (9) Toshiba America Electronic Components, Inc.
(10) *State of Incorporation of Assignee* (10) California
(11) *Address of Assignee* (11) of 9775 Toledo Way, Irvine, California 92618, U.S.A., (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
(12) *Identification of Invention, such as Title, Case Number or Foreign Application Number* (12) "INTERCONNECT STRUCTURE AND METHOD FOR SEMICONDUCTOR DEVICE," Application Serial No. 11/356,146 for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon
(13) *Date(s) of Signing of Declaration* (13) on the same date as this Assignment is executed.

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with Customer Number 22907 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 United States Patent and Trademark Office for recordation of this document.

Date: 2/9/2006

Signature of Inventor

下岡 義明

Yoshiaki Shimooka

Date: 2/13/06

Signature of Inventor

Tadashi Iijima

Tadashi Iijima

PATENT**RECORDED: 02/10/2009****REEL: 022234 FRAME: 0190**