

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Atsushi Moriya</td> <td>04/27/2007</td> </tr> <tr> <td>Yasuhiro Inokuchi</td> <td>04/27/2007</td> </tr> <tr> <td>Yasuo Kunii</td> <td>04/27/2007</td> </tr> </tbody> </table>		Name	Execution Date	Atsushi Moriya	04/27/2007	Yasuhiro Inokuchi	04/27/2007	Yasuo Kunii	04/27/2007
Name	Execution Date								
Atsushi Moriya	04/27/2007								
Yasuhiro Inokuchi	04/27/2007								
Yasuo Kunii	04/27/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Hitachi Kokusai Electric Inc.								
<b>Street Address:</b>	3-14-20, Higashi-Nakano, Nakano-ku								
<b>City:</b>	Tokyo								
<b>State/Country:</b>	JAPAN								
<b>Postal Code:</b>	164-8511								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10592350</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10592350				
Property Type	Number								
Application Number:	10592350								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(703)205-8050								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	703-205-8000								
<b>Email:</b>	kmolloy@bskb.com								
<b>Correspondent Name:</b>	Birch, Stewart, Kolasch & Birch, LLP								
<b>Address Line 1:</b>	P.O. Box 747								
<b>Address Line 4:</b>	Falls Church, VIRGINIA 22040-0747								
<b>ATTORNEY DOCKET NUMBER:</b>	1592-0174PUS1								
<b>NAME OF SUBMITTER:</b>	Michael K. Mutter								

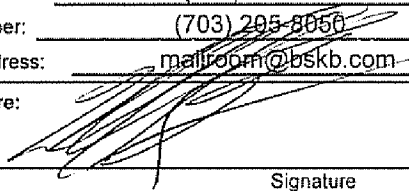
Total Attachments: 3  
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 source=20070511Assignment#page2.tif

**CH \$40.00 10592350**



### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below

<b>1. Name of conveying party(ies):</b> Atsushi MORIYA (04/27/2007), Yasuhiro INOKUCHI (04/27/2007), and Yasuo KUNII (04/27/2007) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: <u>HITACHI KOKUSAI ELECTRIC INC.</u> Internal Address: _____ Street Address: _____ 14-1, Sotokanda 4-chome, Chiyoda-ku Tokyo 101-8980 JAPAN City: _____ State: _____ Country: _____ Zip: _____ Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s): in parentheses after inventor name <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____			
<b>4. Application or patent number(s):</b> A Patent Application No (s) 10/592,350 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> This document is being filed together with a new application B Patent No (s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: Michael K. Mutter BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 1592-0174PUS1 Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747 City: Falls Church State: VA Zip: 22040-0747 Phone Number: (703) 205-8000 Fax Number: (703) 205-8050 Email Address: mailroom@bskb.com		<b>6. Total number of applications and patents involved:</b> <input type="text" value="1"/> <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ 40.00 <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
<b>9. Signature:</b>  Signature Michael K. Mutter - 29,680 Name of Person Signing		<b>8. Payment Information</b> a Credit Card Last 4 Numbers _____ Expiration Date _____ b Deposit Account Number 02-2448 Authorized User Name Michael K. Mutter Date May 11, 2007 Total number of pages including cover sheet, attachments, and documents: <input type="text"/>	

ATTORNEY DOCKET NO.

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 10/592,350Filed 09/11/06**Insert Name(s)  
of Inventor(s)**WHEREAS, Atsushi MORIYA, Yasuhiro INOKUCHI, Yasuo KUNII  
(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in**Insert Title  
of Invention**SUBSTRATE PROCESSING APPARATUS AND SEMICONDUCTOR DEVICE PRODUCING METHOD

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

**Insert Date  
of Signing of  
Application**

on \_\_\_\_\_; and

**Insert Name  
of Assignee**WHEREAS, HITACHI KOKUSAI ELECTRIC INC.**Insert Address  
of Assignee**of 3-14-20, Higashi-Nakano, Nakano-ku, Tokyo 164-8511 JAPAN

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

**CHECK BOX  
IF APPROPRIATE** in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Attorney Docket No.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) 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.

The undersigned agree(s) 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(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) 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(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 27, '07 Name of Inventor Atsushi Moriya  
(signature) Atsushi MORIYA

Date April 27, '07 Name of Inventor Yasuhiro Inokuchi  
(signature) Yasuhiro INOKUCHI

Date April 27, '07 Name of Inventor Yasuo Kunii  
(signature) Yasuo KUNII

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_  
(signature)