

PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yoshinobu HOSHINO	07/19/2011
Shigeru KAWAMATA	07/19/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Hitachi High-Technologies Corporation
<b>Street Address:</b>	24-14, Nishi Shimbashi 1-chome,
<b>Internal Address:</b>	Minato-ku,
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-8717
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13145955
<b>CORRESPONDENCE DATA</b>	
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<b>Correspondent Name:</b>	MCDERMOTT WILL & EMERY LLP
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<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20005-3096
<b>ATTORNEY DOCKET NUMBER:</b>	079228-0022
<b>NAME OF SUBMITTER:</b>	Keith E. George 34,111 kaw
<b>Total Attachments: 2</b> source=Assign_079228-0022#page1.tif source=Assign_079228-0022#page2.tif	

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RECORDATION FORM COVER SHEET

**Docket No.: 079228-0022**

**PATENTS ONLY**

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

<p><b>1. Name of Conveying Party(ies)</b> Yoshinobu HOSHINO, Shigeru KAWAMATA</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><b>3. Nature of Conveyance/Excution Date(s)</b> Execution Date(s): July 19, 2011</p> <p><input checked="" type="checkbox"/> Assignment <span style="margin-left: 150px;"><input type="checkbox"/> Merger</span>  <input type="checkbox"/> Security Agreement <span style="margin-left: 150px;"><input type="checkbox"/> Change of Name</span>  <input type="checkbox"/> Joint Research Agreement  <input type="checkbox"/> Government Interest Assignment  <input type="checkbox"/> Executive Order 9424, Confirmatory License  <input type="checkbox"/> Other</p>	<p><b>2. Name and address of receiving party(ies)</b> Name: HITACHI HIGH-TECHNOLOGIES CORPORATION Internal Address:  Address: 24-14, Nishi Shimbashi 1-chome, Minato-ku, Tokyo, JAPAN 105-8717</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p><b>4. Application or patent number(s):</b> A. Patent Application No(s). 13/145,955</p> <p align="center">Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input type="checkbox"/> This document is being filed together with a new application. B. Patent No(s).</p>
<p><b>5. Name and address to whom correspondence concerning document should be mailed:</b></p> <p>Name: MCDERMOTT WILL &amp; EMERY LLP Internal Address:  Street Address: 600 13th Street, N.W.  City: Washington, State: DC Zip: 20005-3096 D.C.  Phone Number: 202.756.8000 Fax Number: 202.756.8087 Email Address: Washington_ip_docket@mwe.com</p>	<p><b>6. Total number of applications and patents involved:</b> 1</p> <p><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$40.00</p> <p><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)</p>
<p><b>9. Signature.</b> Keith E. George 34,111</p>	<p><b>8. Payment Information:</b></p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number 500417 Authorized User Name _____</p>
<p>Name and Registration No. of Person Signing <span style="margin-left: 150px;">Signature</span> <span style="margin-left: 150px;">Date</span></p> <p align="right">October 11, 2011</p>	
<p>Total number of pages including cover sheet, attachments and documents: 2</p>	

**ASSIGNMENT**  
( 譲渡証 )

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi High-Technologies Corporation, a corporation organized under the laws of Japan, located at 24-14, Nishi Shimbashi 1-chome, Minato-ku, Tokyo 105-8717 Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi High-Technologies Corporation, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi High-Technologies Corporation, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi High-Technologies Corporation,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Yoshinobu Hoshino</u> Yoshinobu HOSHINO	<u>7/19/2011</u>
2) <u>Shigeru Kawamata</u> Shigeru KAWAMATA	<u>7/19/2011</u>
3) _____	_____
4) _____	_____
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____