

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2710770

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HITACHI, LTD.	12/24/2013
RECEIVING PARTY DATA	
Name:	SHOWA DENKO K.K.
Street Address:	13-9, SHIBA DAIMON 1-CHOME
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
PROPERTY NUMBERS Total: 3	
Property Type	Number
Patent Number:	7141221
Patent Number:	7641867
Patent Number:	8231851
CORRESPONDENCE DATA	
Fax Number:	(703)312-6666
Phone:	7033126600
Email:	kharris@antonelli.com
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>	
Correspondent Name:	ANTONELLI, TERRY, STOUT & KRAUS, LLP
Address Line 1:	1300 17TH STREET N.
Address Line 2:	SUITE 1800
Address Line 4:	ARLINGTON, VIRGINIA 22209
ATTORNEY DOCKET NUMBER:	500.10498G00
NAME OF SUBMITTER:	WILLIAM I. SOLOMON
Signature:	/William I. Solomon/

Date:

02/03/2014

Total Attachments: 2

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**PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Hitachi, Ltd.</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> <b>No</b></p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: Showa Denko K.K.</p> <p>Street Address: 13-9, Shiba Daimon 1-chome Minato-ku Tokyo JAPAN</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> <b>No</b></p>
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<p>3. Nature of conveyance/Execution Date: <b>December 24, 2013.</b></p> <p><input checked="" type="checkbox"/> <b>Assignment</b> <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <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>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> <b>No</b></p>
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<p>4. Application number(s) or patent number(s):</p> <p>A. Patent Application No.(s)</p>	<p><input type="checkbox"/> This document is being filed together with a new application.</p> <p>B. Patent Registration Nos.</p> <p style="text-align: center;"><b>7,141,221</b> <b>7,641,867</b> <b>8,231,851</b></p> <p>Additional number(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> <b>No</b></p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>ANTONELLI, TERRY, STOUT &amp; KRAUS, LLP</b></p> <p>Internal Address:</p> <p><b>1300 17<sup>TH</sup> STREET N., SUITE 1800</b></p> <p>City: <b>ARLINGTON</b> State: <b>VA</b> Zip: <b>22209</b></p> <p>Phone Number: <b>(703) 312-6600</b>          Facsimile Number: <b>(703) 312-6666</b>          Email Address: <b>email@antonelli.com</b></p>	<p>6. Total number of applications and <u>patents</u> involved: <b>3</b></p> <p>7. Total fee (37 CFR 3.41).....</p> <p><input type="checkbox"/> Authorized to be charged by credit card  <input type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> <b>None required</b> (government interest not affecting title)</p> <p>8. Payment Information:</p> <p>a. Credit Card Last 4 numbers: Expiration date:</p> <p>b. (Any deficiencies) Deposit Account No. 01-2135</p> <p>Authorized User Name:</p>
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**DO NOT USE THIS SPACE**

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

<p><b>William I. Solomon Reg. No. 28,565</b></p> <hr/> <p>Name of Person Signing</p>	<p><b>/William I. Solomon/</b></p> <hr/> <p>Signature</p>	<p><b>February 3, 2014</b></p> <hr/> <p>Date</p>
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Total number of pages including cover sheet, attachments, and document: **2**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
 Mail Stop: Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Hitachi, Ltd., is the exclusive owner, by assignment, previously recorded, of the following Letters Patent of the United States of America:

**USP 7,141,221, issued November 28, 2006;**

**USP 7,641,867, issued January 5, 2010; and**


**USP 8,231,851, issued July 31, 2012.**

WHEREAS, Showa Denko K.K., a Japanese Corporation, having its place of business at 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo, Japan, is desirous of acquiring the sole and exclusive right, title and interest in, to and under the said Letters Patent, and the invention(s) covered thereby, as now owned by Hitachi, Ltd.;

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the said Hitachi, Ltd. has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said Showa Denko K.K., the entire right, title and interest in the said inventions and the Letters Patents aforesaid, and any reissue or reissues of said Letters Patent already granted or which may be granted, the same to be held and enjoyed by said Showa Denko K.K. for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term for which said Letters Patents of the United States are granted or reissued as fully and entirely as the same would have been held and enjoyed by the said Hitachi, Ltd., if this assignment and sale had not been made.

IN TESTIMONY WHEREOF, Hitachi, Ltd. has caused these presence to be signed by its officer thereunto duly authorized this 24 day of December, 2013, to said Showa Denko K.K.

Hitachi, Ltd.

By   
Name: Takashi SUZUKI  
Title: Corporate Officer, General Manager  
Intellectual Property Division  
(Authorized Signing Officer)