

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3163530

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KEIO UNIVERSITY	11/29/2014
SUMITOMO ELECTRIC INDUSTRIES, LTD.	11/19/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SUMITOMO ELECTRIC INDUSTRIES, LTD.
<b>Street Address:</b>	5-33, KITAHAMA 4-CHOME, CHUO-KU, OSAKA-SHI
<b>City:</b>	OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	541-0041
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7139483
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2027568000
<b>Email:</b>	ipdocketmwe@mwe.com
<b>Correspondent Name:</b>	MCDERMOTT WILL & EMERY LLP
<b>Address Line 1:</b>	500 NORTH CAPITOL STREET, N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001
<b>ATTORNEY DOCKET NUMBER:</b>	050212-0483
<b>NAME OF SUBMITTER:</b>	STEPHEN A. BECKER, P.C.
<b>SIGNATURE:</b>	/Stephen A. Becker, P.C./
<b>DATE SIGNED:</b>	12/29/2014
<b>Total Attachments: 2</b>	
source=050212-0483_Assignment#page1.tif	
source=050212-0483_Assignment#page2.tif	

ASSIGNMENT

WHEREAS, KEIO UNIVERSITY (ASSIGNOR) and SUMITOMO ELECTRIC INDUSTRIES, LTD., are the owners of the entire right, title and interest, by virtue of a recorded assignment, of the following application of the United States and the inventions represented thereby:

U.S. Patent No.  
7,139,483

WHEREAS, SUMITOMO ELECTRIC INDUSTRIES, LTD. (ASSIGNEE), a Japanese Company having an address of 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan 541-0041 is desirous of acquiring from ASSIGNOR its entire right, title and interest in and to said United States patents and patent applications, and the inventions thereof;

NOW THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, ASSIGNOR hereby conveys the entire right, title and interest in and to the aforesaid United States patents and patent applications, and the inventions set forth in the above-mentioned United States patents and patent applications, including the rights of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued therefrom;

UPON SAID CONSIDERATIONS, ASSIGNOR hereby agrees with the said ASSIGNEE that it will not execute any writing or do any act whatsoever conflicting with these presents, and that it will, at any time upon request, without further or additional consideration but at the expense of said ASSIGNEE, execute such additional assignments and other writings and do such additional acts as said ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or foreign countries on said inventions and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of ASSIGNOR and ASSIGNEE;

AND ASSIGNOR hereby grants the ASSIGNEE, its successors, legal representatives and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent authority, including, without limitation, the United States Patent and Trademark Office.

AND THE PARTIES HEREBY agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned representatives of each of the parties hereto is duly authorized and does hereby execute this Agreement.

**KEIO UNIVERSITY (ASSIGNOR)**

Signature: Atsushi Seike

By: Atsushi SEIKE

Title: President

Date: November 29, 2014

**SUMITOMO ELECTRIC INDUSTRIES, LTD. (ASSIGNEE)**

Signature: Hiroaki Sano

By: Hiroaki SANO

Title: General Manager, Intellectual Property Department

Date: November 19, 2014

DM\_US 56715967-1.050212.0483