

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CHLORINE ENGINEERS CORP. LTD.	03/31/2014
RECEIVING PARTY DATA		
Name:	PERMELEC ELECTRODE LTD.	
Street Address:	2023-15, ENDO	
City:	FUJISAWA CITY, KANAGAWA	
State/Country:	JAPAN	
Postal Code:	252-0816	
PROPERTY NUMBERS Total: 4		
Property Type	Number	
Application Number:	12880549	
Application Number:	12880450	
Application Number:	12963187	
Patent Number:	8454754	
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	430042US2SD	
NAME OF SUBMITTER:	KAREN L. HUDSON	
SIGNATURE:	/Karen L. Hudson/	
DATE SIGNED:	04/08/2014	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, Chlorine Engineers Corp. Ltd. having a place of business at 35F, St. Luka's Tower, 8-1, Akashi-cho, Chuo-ku, Tokyo, Japan, a corporation organized and existing under the laws of the country of Japan, is a joint owner with Kabushiki Kaisha Toshiba and Shibaura Mechatronics Corporation, by assignment, of the following Letters Patent and applications for letters patent of the United States of America

LETTERS PATENT

<u>Patent Number</u>	<u>Issue Date</u>
8,454,754	June 4, 2013

APPLICATIONS

<u>Application Number</u>	<u>Filing Date</u>
12/880,549	September 13, 2010
12/880,450	September 13, 2010
12/963,187	December 8, 2010

WHEREAS, Permelec Electrode Ltd. having a place of business at 2023-15, Endo, Fujisawa City, Kanagawa 252-0816 Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring right, title and interest in and to said Letters Patent and applications for letters patent and the inventions described therein;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledge, Chlorine Engineers Corp. Ltd. by these presents do sell, assign, and transfer unto said ASSIGNEE the right, title and interest to the extent held by them for the territory of the United States

of America, in and to the aforesaid Letters Patent and in and to the aforesaid applications for letters patent and the inventions described therein and in and to any and all Letters Patent which may be granted therefor and in and to any and all divisions, continuations, substitutions and renewals thereof, and in and to any and all reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or may be granted the same to be held and enjoyed by the ASSIGNEE for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives to the full end of the term for which said Letters Patent have been or may be granted, and for claims for damage by reason of infringement past and present, as fully and entirely as the same would have been held by Chlorine Engineers Corp. Ltd. had this Assignment and sale not been made.

Chlorine Engineers Corp. Ltd. further authorizes and requests the Patent Office Officials in the United States and its territorial possessions to issue any and all Letters Patent when granted, to ASSIGNEE as a joint assignee of the right, title and interest in and to the same to the extent hereby assigned.

IN TESTIMONY WHEREOF, Chlorine Engineers Corp. Ltd., has caused these presents to be signed by its officer thereunto duly authorized.

Chlorine Engineers Corp. Ltd.

Date: March 31, 2014

By: 

Name: Shinji KATAYAMA

Title: President