

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT4921104

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KABUSHIKI KAISHA TOSHIBA	03/09/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION
<b>Street Address:</b>	72-34, HORIKAWA-CHO, SAIWAI-KU
<b>Internal Address:</b>	KAWASAKI-SHI
<b>City:</b>	KANAGAWA
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7449101
<b>Patent Number:</b>	8295426
<b>Patent Number:</b>	8731131
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<b>NAME OF SUBMITTER:</b>	JENNA HORN
<b>SIGNATURE:</b>	/Jenna Horn/
<b>DATE SIGNED:</b>	04/18/2018
<b>Total Attachments: 2</b>	
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ASSIGNMENT

WHEREAS, KABUSHIKI KAISHA TOSHIBA of 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan, a corporation organized and existing under the laws of the Country of Japan is the joint owner with TOKYO ELECTRIC POWER COMPANY HOLDINGS, INCORPORATED and ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD., by assignment, of the following letters patent of the United States of America:

<u>PATENT NUMBER</u>	<u>ISSUE DATE</u>
7,449,101	November 11, 2008
8,295,426	October 23, 2012
8,731,131	May 20, 2014

WHEREAS, TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION of 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as ASSIGNEE, is desirous of acquiring KABUSHIKI KAISHA TOSHIBA's entire right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, KABUSHIKI KAISHA TOSHIBA by these presents do sell, assign, and transfer unto TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION its entire right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent, the inventions described therein, any and all divisions, continuations, reissues, substitutions and renewals thereof, and to any and all letters patent which have granted or may be granted therefor, said inventions and letters patent to be held and enjoyed by the TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, and for the use and benefit of said TOSHIBA

ENERGY SYSTEMS & SOLUTIONS CORPORATION, and for the use and benefit of their successors, assigns or other legal representatives, to the full end of the term for which said letters patent have been granted or reissues may be granted, and for claims for damage by reasons of infringement past and present, as fully and entirely as the same would have been held by KABUSHIKI KAISHA TOSHIBA had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, KABUSHIKI KAISHA TOSHIBA has caused these presents to be signed by its officer thereunto duly authorized.

KABUSHIKI KAISHA TOSHIBA

Date: Mar. 9, 2018

By: Ikuko ShimoGawara

Name: Ikuko SHIMOGAWARA

Title: General Manager,  
Intellectual Property Division