

## PATENT ASSIGNMENT COVER SHEET

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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>
NATIONAL INSTITUTES FOR QUANTUM AND RADIOLOGICAL SCIENCE AND TECHNOLOGY	09/06/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION
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<b>City:</b>	KAWASAKI-SHI, KANAGAWA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	212-0013
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
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<b>DATE SIGNED:</b>	09/14/2021
<b>Total Attachments: 3</b>	
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ASSIGNMENT

WHEREAS NATIONAL INSTITUTES FOR QUANTUM AND RADIOLOGICAL SCIENCE AND TECHNOLOGY of 4-9-1, Anagawa, Inage-ku, Chiba-shi, Chiba 263-8555, Japan, a corporation organized and existing under the laws of the Country of Japan, is a joint owner with TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, by assignment, of the following Letters Patent of the United States of America and the invention(s) disclosed and/or claimed therein ("invention"):

PATENT NUMBER

10,420,202

ISSUE DATE

September 17, 2019

WHEREAS, TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION of 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0013, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said application for Letters Patent;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, NATIONAL INSTITUTES FOR QUANTUM AND RADIOLOGICAL SCIENCE AND TECHNOLOGY hereby sells, assigns, transfers and sets over, unto said ASSIGNEE, its successors, legal representatives and assigns, its entire right, title and interest in, to and under said invention, and said Application and all divisions, renewals, and continuations thereof, and all Patents which may be granted thereon and all reissues, reexaminations and extensions thereof; and all applications for industrial property protection, including, without limitation, all

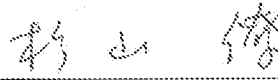
applications for patents, utility models, and designs which may hereafter be filed for said invention in any other country or countries, together with the right to file such applications and the right to claim for the same the priority rights derived from said Applications under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and designs which may be granted for said invention in any country or countries and all extensions, renewals, reexaminations and reissues thereof, 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 NATIONAL INSTITUTES FOR QUANTUM AND RADIOLOGICAL SCIENCE AND TECHNOLOGY had this Assignment and sale not been made.

NATIONAL INSTITUTES FOR QUANTUM AND RADIOLOGICAL SCIENCE AND TECHNOLOGY hereby authorizes and requests the Director of the United States Patent and Trademark Office, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents and other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

IN TESTIMONY WHEREOF, NATIONAL INSTITUTES FOR QUANTUM  
AND RADIOLOGICAL SCIENCE AND TECHNOLOGY has caused these presents  
to be signed by its officer thereunto duly authorized.

NATIONAL INSTITUTES FOR QUANTUM  
AND RADIOLOGICAL SCIENCE AND  
TECHNOLOGY

Date: September 6, 2021

By:   
Name: SUGIYAMA Akira  
Title: Director of Innovation Center