#### 505252083 12/26/2018

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5298853

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MANABU WATANABE	11/15/2018
AKIHIRO MATSUZAKI	11/15/2018
FUMIO SATO	11/15/2018
FUJIO TERAI	11/09/2018
HITOSHI KATAYAMA	11/16/2018
YUICHIRO GUNJI	11/22/2018

#### **RECEIVING PARTY DATA**

Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Name:	TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION
I Maille.	TOSTIBA ENERGY STSTEMS & SOLUTIONS CONTONATION
Street Address:	72-34, HORIKAWA-CHO, SAIWAI-KU

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16232115

### **CORRESPONDENCE DATA**

(703)413-2220 Fax Number:

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.

Phone: (703) 413-3000

Email: mreynolds@oblon.com

**Correspondent Name:** OBLON, ET AL.

1940 DUKE STREET Address Line 1:

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 517304US

NAME OF SUBMITTER: MORGAN REYNOLDS

> PATENT REEL: 047851 FRAME: 0185

505252083

SIGNATURE:	/Morgan Reynolds/
DATE SIGNED:	12/26/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 6	·
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source=517304USAsn#page6.tif	

Title of INSPECTION DEVICE AND INSPECTION METHOD Invention	
As the below named inventor, I hereby declare that:	
This declaration 🔀 The attached application, or	
is directed to: United States application or PCT international application number	
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, 1) KABUSHIKI KAISHA TOSHIBA; and 2) Toshiba Energy Systems & Solutions Corporation	
(hereinafter referred to as "ASSIGNEES") having places of business at: 1) 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan; and 2) 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;	
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEES or their representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
Inventor: Manabu WATANABE Date: Nov. 15. 2018	
Signature: M. Watanabe	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF	OF INVENTOR	
Inventor: Akihiro	o MATSUZAKI Date: Nov. 15.20(8	
Signature: Q	Matsuski	

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1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF	FINVENTOR
Inventor: Fumio	
Signature: #	Seto

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LEGAL NAME OF INVENTOR		
Inventor: Fujio TERAI	Date: 100 9. 2018	
Signature: Fino Jeran		

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LEGAL NAME OF	INVENTOR
Inventor: Hitoshi	KATAYAMA Date: 16 Nov. 2018
Signature:	/ Lyten anne

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF INVENTOR
Inventor: Yuichiro GUNJI Date: $\sqrt{\rho V}$ $20/8$
Signature: <u>Juichiro Lunijo</u>

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 047851 FRAME: 0192

**RECORDED: 12/26/2018**