12/13/2017 504685063

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4731785

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
HIDEFUMI TAKAMINE	04/26/2017
KAZUO WATABE	04/26/2017
TOMOKI SHIOTANI	04/27/2017

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

Property Type	Number
Application Number:	15454316

### **CORRESPONDENCE DATA**

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Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	505509US
NAME OF SUBMITTER:	NICKOLAS MEYERS
SIGNATURE:	/Nickolas Meyers/
DATE SIGNED:	12/13/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

**PATENT** REEL: 044380 FRAME: 0041 504685063

# **Total Attachments: 4**

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PATENT REEL: 044380 FRAME: 0042

SOLE/JOINT INVENTION (U.S. Rights Only)
Attorney Docket No.

## ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

1.4 1.5 PARTITION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of a claimed invention in an application for United States Letters Patent entitled:

STRUCTURE EVALUATION A	APPARATUS, STRUCTURE EVALUATION	SYSTEM, AND STRUCTURE E	VALUATION METHOD
TOTAL TO THE PERSON OF THE PER	9, 2017 as United States Applicati bereto and/or PCT International Applic		(Confirmation
WHEREAS, (1) Kabushiki a corporation of Japan	Kaisha Toshiba; and (2) Kyoto Univer	sity	
whose post office address is Sakyo-ku, Kyoto-shi, Kyoto, Ja	(1) 1-1, Shibaura 1-chome, Minato-k apan	ı, Tokyo, Japan; and (2) 36-1	, Yoshida-honmachi,

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/VVE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No. , filed ) the filing date and application number of said application when known.

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-KIP°, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application. See 37 CPR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Hidefumi TAKAMINE	ASSIGNOR'S SIGNATURE Trichtomi Talegnince	DATE 2017, 4.26
MAILING ADDRESS c/o IP Div. Toshiba Corp. (K. K. TOSHIBA), 1-1, Shib	/	RESIDENCE Shinagawa Tokyo Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Kazuo WATABE	ASSIGNOR'S SIGNATURE	DATE 2017. 4.26
MAILING ADDRESS c/o IP Div. Toshiba Corp. (K. K. TOSHIBA), 1-1, Shib		RESIDENCE Yokohama Kanagawa Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Tomoki SHIOTANI	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS c/o Kyoto University, 36-1, Yoshida-honmachi, Sakyo-ku, Kyoto-shi, Kyoto, Japan		RESIDENCE Kyoto Kyoto Japan

SOLE/JOINT INVENTION (U.S. Rights Only)

(Priority is claimed on Japanese Patent Application. No. 2016-052944 filed on March 16, 2016)

Attorney Docket No.

### ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of a claimed invention in an application for United States Letters Patent entitled:

# filed herewith or on March 9, 2017 as United States Application No. 15/454,316 (Confirmation No. ) attached hereto and/or PCT International Application No. WHEREAS, (1) Kabushiki Kaisha Toshiba; and (2) Kyoto University a corporation of Japan whose post office address is (1) 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan; and (2) 36-1, Yoshida-honmachi,

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/VVE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No. , filed ) the filing date and application number of said application when known.

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

Sakyo-ku, Kyoto-shi, Kyoto, Japan

(Priority is claimed on Japanese Patent Application. No. 2016-052944 filed on March 16, 2016)
(U.S. Attorney Docket No.

Authorization To Permit Access To Application by Participating Offices:

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-KIP°, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the aboveidentified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Hidefumi TAKAMINE	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS c/o IP Div. Toshiba Corp. (K. K. TOSHIBA), 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan		RESIDENCE Shinagawa Tokyo Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Kazuo WATABE	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS c/o IP Div. Toshiba Corp. (K. K. TOSHIBA), 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan		RESIDENCE Yokohama Kanagawa Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Tomoki SHIOTANI	ASSIGNOR'S SIGNATURE	DATE April 27, 2017
MAILING ADDRESS c/o Kyoto University, 36-1, Yoshida-honmachi, Sakyo-ku, Kyoto-shi, Kyoto, Japan		RESIDENCE Kyoto Kyoto Japan

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**PATENT** REEL: 044380 FRAME: 0046

**RECORDED: 12/13/2017**