#### 505177549 11/06/2018

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5224317

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RIE HARADA	10/23/2018
YOUSUKE MIZOKAMI	10/23/2018
TAKAHIKO SHINOHARA	10/23/2018
SHINJI MUTO	10/23/2018

#### **RECEIVING PARTY DATA**

Name:	IHI CORPORATION
Street Address:	1-1, TOYOSU 3-CHOME
City:	KOTO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	135-8710

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

Property Type	Number
Application Number:	16181932

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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: TShelton@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	518070US
NAME OF SUBMITTER:	TIFFANY SHELTON
SIGNATURE:	/Tiffany Shelton/
DATE SIGNED:	11/06/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 4** 

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PATENT REEL: 047423 FRAME: 0885

505177549

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Invention	PRODUCING THE SAME	APONENT AND METHOD OF
As the below name	d inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international filed on March 30, 2017	application number PCT/JP2017/013199
The above-identifie	ed application was made or authorized to be made	by me.
I believe that I am t	he original inventor or an original joint inventor	of a claimed invention in the application.
WHEREAS, IHI Corporation  (hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 Japan, is desirous of acquiring 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 ASSIGNEE, 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 ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 ASSIGNEE or its (his) 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 ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) 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	FINVENTOR	
Inventor: Rie HA	RADA	Date:October 23, 2018
Signature:	Rie Iburada	

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

ALEXANDRIA, VIRGINIA 22314

Title of Invention	CERAMIC MATRIX COMPOSITE COMPONENT AND METHOD OF PRODUCING THE SAME	
As the below name	d inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international application number PCT/JP2017/013199 filed on March 30, 2017	
The above-identifie	ed application was made or authorized to be made by me.	
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, IHI		
(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8710 Japan, is desirous of acquiring 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;		
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LEGAL NAME OF	· ·	
Inventor: Yousuk	Date: October 23, 2018	
Signature: To u	suke Mizokami	

**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: Takahik	o SHINOHARA	Date: October 23, 2018
Signature: Taka	hile SHWHARA.	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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Invention	PRODUCING THE SAME	ND METHOD OF
As the below name	ned inventor, I hereby declare that:	- 14A
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The above-identifie	fied application was made or authorized to be made by me.	
I believe that I am t	n the original inventor or an original joint inventor of a claimed inventor	ention in the application.
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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 ASSIGNEE, 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.		
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LEGAL NAME OF INVENTOR		
Inventor: Shinji N	MUTO Date:	October 23, 2018
Signature:	Shinji Muto	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 047423 FRAME: 0890

**RECORDED: 11/06/2018**