

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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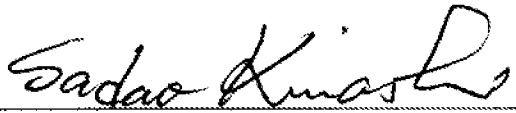
EPAS ID: PAT5725706

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	SHIGENORI TSURUGA	09/05/2019
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<b>State/Country:</b>	JAPAN	
<b>Postal Code:</b>	100-8332	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16495264
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	P190938US00	
<b>NAME OF SUBMITTER:</b>	YOLIDIA A. PASOS	
<b>SIGNATURE:</b>	/YOLIDIA A. PASOS/	
<b>DATE SIGNED:</b>	09/18/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>		
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VERIFICATION OF TRANSLATION

I, SADAO KINASHI, do hereby declare that I am knowledgeable in the English language and in Japanese language, and that I believe the English language in the foregoing Declaration is a full and faithful translation of the Japanese language of the documents. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of verifier:



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Name of verifier:

Mr. Sadao Kinashi

Post office address of verifier:

8500 Leesburg Pike SUITE 7500  
Tysons, VA 22182

Date of signature:

October 24, 2017

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Applicant's Ref.: P201700599US01

Docket No.:

Westerman, Hattori, Daniels & Adrian, LLP

**Combined Declaration and Assignment  
for Utility and Design Patent Applications**  
特許及びデザイン特許出願用の譲渡書付き宣言書  
Japanese Language Declaration and Assignment  
日本語譲渡書付き宣言書

**DECLARATION  
宣言書**

As a below named inventor, I hereby declare that:  
私は、以下に記名された発明者として、ここに下記の通り宣言する:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled  
私は、下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題の真の発明者であるか、或いは真の共同発明者であると信じている。

Insert Title:  
発明名称を記入:

METHOD FOR EVALUATING STRUCTURE USED FOR NUCLIDE TRANSMUTATION  
REACTION, EVALUATION DEVICE, STRUCTURE MANUFACTURING DEVICE  
PROVIDED WITH SAME, AND NUCLIDE TRANSMUTATION SYSTEM

the application of which is attached hereto unless the following is checked  
下記の欄がチェックされている場合を除いて、上記発明に関する出願は、この書面に添付されている

☒ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_  
and was filed on April 3, 2018 as PCT International Application Number PCT/JP2018/014211 and was amended on \_  
(if applicable).  
☐ 米国出願番号 \_\_\_\_\_ として \_\_\_\_\_ 日に提出され、そして PCT 国際出願番号 \_\_\_\_\_ として提出  
され且つ \_\_\_\_\_ 日に補正された出願 (該当する場合)

The above-identified application was made or authorized to be made by me.  
上記出願書は、私が作成したものか、あるいは私がその作成を認めたものである。

I hereby acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.  
私は、この宣言書において故意に何らかの虚偽の供述を行った場合には、合衆国法典第 18 巻第 1001 条に基づき、罰金あるいは 5 年以下の懲役、または両方の懲罰が課せられ得ることを認識している。

## ASSIGNMENT 譲渡書

FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the undersigned inventor(s) (hereinafter ASSIGNOR) by

譲受人名/住所:  
Insert Assignee(s)  
Name/Address:

MITSUBISHI HEAVY INDUSTRIES, LTD.  
2-3, Marunouchi 3-Chome, Chiyoda-ku, Tokyo, 1008332, Japan

上記の者（以下、譲受人）によって提供され、そしてその適切性と受領は下記に署名した発明者（達）（以下、譲渡人）によって承認された、適正で価値のある対価をもって、

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

ここに、下記に署名をした譲渡人は、上記出願（例、仮出願又は通常の出願）の全ての且つ排他的な権利、権限、利権を譲受人に売却・譲渡・移転し、上記出願或いはその継続、分割、代替、再発行、再審査、補足審査、当事者系レビュー、登録後レビュー、その他の手続きによって得られる全ての米国特許をその全期間又は許可された期間をもって譲渡する。

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

譲渡人は、上記出願及びその継続、分割、再発行、再審査出願、補足審査、当事者系レビュー、登録後レビュー、その他の手続きに係わる全ての必要書類を作成する事に同意し、譲受人が必要または便宜的であると考えような、出願に係わる別の譲渡書を作成する事にも同意する。

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

譲渡人は、この出願あるいはその継続、分割、再発行、再審査出願、補足審査、当事者系レビュー、登録後レビュー、その他の手続きに関して提起され得るインターフェアランス、訴訟、あるいは他の法的な処置、そして特許や再発行特許に係わる全ての必要な書類を作成する事に同意し、証拠の取得や提出及びインターフェアランス、訴訟、あるいはその他の法的な手続において、譲受人に可能なあらゆる方法で協力することに同意する。

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United States and do hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers

necessary in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination applications, supplemental examination, inter partes review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient. 譲渡人は、合衆国及び合衆国以外の外国の全ての国において開示されている出願及び発明の全ての且つ排他的な権利及び権限及び利権を、譲受人に売却・譲渡・移転し、譲受人の名前でそのような手続を適切な国々へ特許出願する事を譲受人に認め、国際条約の基で優先権を主張する事を認め、当該特許の出願及び継続、分割、代替、再発行または再審査、補足審査、当事者系レビュー、登録後レビュー、その他の手続きに係わる全ての必要書類を作成すること及び、譲受人が必要または便宜的であると考える場合は、当該出願に係わる別の譲渡書を作成する事に同意する。

Hereby executed by the undersigned on the date opposite the undersigned name:  
ここに、下記の署名者により、その名の横に記載された日に署名された:

Legal Name of inventor ⇒	<u>Shigenori TSURUGA</u>	Date:	<u>September 5, 2019</u>
Inventor's Signature ⇒	<u><i>Shigenori Tsuruga</i></u>		
Legal Name of inventor ⇒	_____	Date:	_____
Inventor's Signature ⇒	_____		
Legal Name of inventor ⇒	_____	Date:	_____
Inventor's Signature ⇒	_____		
Legal Name of inventor ⇒	_____	Date:	_____
Inventor's Signature ⇒	_____		
Legal Name of inventor ⇒	_____	Date:	_____
Inventor's Signature ⇒	_____		
Legal Name of inventor ⇒	_____	Date:	_____
Inventor's Signature ⇒	_____		