

## 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>
YUKI UEDA	11/12/2019
KAZUYUKI YOSHIOKA	11/15/2019
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16615403
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<b>NAME OF SUBMITTER:</b>	JANICE LOGAN
<b>SIGNATURE:</b>	/Janice Logan/
<b>DATE SIGNED:</b>	11/23/2019

**Total Attachments: 4**

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**DECLARATION AND ASSIGNMENT  
FOR PATENT APPLICATION**  
特許出願宣誓書及び譲渡書

This Declaration and Assignment for Patent Application is made and entered into by the undersigned parties (the "Inventor(s)"), as of the execution date(s) written below.

本特許出願宣誓書及び譲渡書は、以下記入された署名日において以下署名者(「発明者」)により作成され、締結されたものです。

I/We, the Inventor(s), each declare and agree as follows:

私/我々発明者は、各々以下の通り宣誓し、合意いたします。

1. *Declaration.* I believe that I am the original sole inventor, or an original joint inventor, of at least one invention that is disclosed and claimed in the United States Patent Application identified below (the "Application"):

1. 宣誓書 私が、以下の通り特定される米国特許出願(「本件出願」)に開示され請求項に記載された少なくともひとつの発明の本来の単独発明者または本来の共同発明者であると私は信じています。

Title (名称):

HEAT TRANSFER DEVICE AND FURNACE USING SAME



The Application Attached Hereto (ここに添付される本件出願)



U.S. App. Serial No. or International Application No. (米国出願番号または  
PCT 国際出願番号) \_\_\_\_\_, filed on (出願日) \_\_\_\_\_

The Application was made, or authorized to be made, by me. I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 U.S.C. 1001 by fine, by imprisonment of not more than five (5) years, or both.

本件出願は、私が作成した、または私が作成を許可したものです。私は、上の宣誓において故意に虚偽の供述を行った場合、18 U.S.C. 1001に基づき、罰金あるいは5年以下の懲役、または両方による処罰の対象となることを理解しています。

2. *Assignment.* For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, I do hereby assign and transfer, to the party or parties identified below by name and address (the "Assignee(s)"), all of my right, title and interest, in all countries, in and to (i) the Application, (ii) any and all divisional, continuation, continuation-in-part, reissue or other applications related to the Application or to any patent issued thereon ("Related Applications"), (iii) all inventions and improvements disclosed in the Application and Related Applications, including (without limitation) embodiments not specifically described therein, and (iv) all patents that may be granted on such inventions and improvements, including (without limitation) all patents issued on the Application and Related Applications, to the Assignee(s). The foregoing (i)-(iv) shall be held and enjoyed by the Assignee(s) for the sole use and benefit of the Assignee(s), and the successors and assigns of the Assignee(s), as fully and entirely as the same would have been held by me had this assignment not been made. I request and authorize the Commissioner of Patents and Trademarks to issue any and all United States patents granted on the Application and Related Applications, to the Assignee(s) for the full term thereof, including any extensions. I agree to perform any and all acts reasonably requested by the Assignee(s), at the expense of the Assignee(s), related to securing, maintaining and enforcing such patents.

2. 譲渡書 ここにその受領と十分性を確認する相当の対価を約因として、ここに法的義務を負うことを理解し、私は、すべての国における以下 (i) ~ (iv) に関するすべての権利、権限及び利益を以下に名称及び住所を記載する者(「譲受人」)に対してここに譲渡及び移転します—— (i) 本件出願、(ii) 本件出願または本件出願に対して発行されたすべての特許に係るすべての分割出願、継続出願、一部継続出願、再発行出願、及びその他出願(「関連出願」)、

(iii) 本件出願及び関連出願に開示された、具体的に記述されていない態様を(制限なしに)含むすべての発明及び改善、並びに(iv) これら発明及び改善について許可され得る、本件出願及び関連出願について発行されたすべての特許を(制限なしに)含むすべての特許。以上(i)~(iv)は、譲受人並びにその後継者及び承継人の独占的な利用と利益のために、本譲渡及び売却がなされなかったとすれば私により保持されたはずのものと同等にまったく完全に譲受人により保持及び享受されます。本件出願及び関連出願に対して許可されるすべての延長期間を含む完全な権利期間を有するすべての米国特許を譲受人に対して発行するよう私は特許商標庁長官に要請及び認可します。これら特許を確保し、維持し、権利行使することに関して、譲受人から合理的に要請されるすべての行為を譲受人の費用にて行うことに私は同意します。

Assignee(s) (譲受人):

National University Corporation Tokyo University of Agriculture and  
Technology  
3-8-1, Harumi-cho, Fuchu-shi, Tokyo 183-8538, Japan  
  
SHODEN KOGYO CO., LTD.  
1-56, Heian-cho, Tsurumi-ku, Yokohama-shi, Kanagawa 230-0031, Japan

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STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R. 1.69(B):

The Japanese portions of this Declaration and Assignment for Patent Application are an accurate translation of the corresponding English portions of this Declaration and Assignment for Patent Application.

By: /shuichi shitara/ Date: 2017-7-12  
SHUICHI SHITARA

AGREED AND ACCEPTED:

同意し受諾します。

INVENTOR (発明者)

Signature (署名): 上田祐樹 Date (日付): 2019/11/12

Printed Name (氏名): Yuki UEDA

INVENTOR (発明者)

Signature (署名): \_\_\_\_\_ Date (日付): \_\_\_\_\_

Printed Name (氏名): Kazuyuki YOSHIOKA

INVENTOR (発明者)

Signature (署名): \_\_\_\_\_ Date (日付): \_\_\_\_\_

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**PATENT**

**REEL: 051098 FRAME: 0333**

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INVENTOR (発明者)

Signature (署名) : \_\_\_\_\_ Date (日付) : \_\_\_\_\_

Printed Name (氏名) : Yuki UEDA

INVENTOR (発明者)

Signature (署名) : Kazuyuki Yoshioaka Date (日付) : 15/11/2019  
Kazuyuki YOSHIOKA 2019.11.15

Printed Name (氏名) : Kazuyuki YOSHIOKA

INVENTOR (発明者)

Signature (署名) : \_\_\_\_\_ Date (日付) : \_\_\_\_\_

Printed Name (氏名) : \_\_\_\_\_