

## 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>
YUUSUKE HIRAIWA	03/17/2020
SHIGEYA HAYASHI	03/17/2020
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
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<b>DATE SIGNED:</b>	08/11/2022
<b>Total Attachments: 2</b>	
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**COMBINED DECLARATION & ASSIGNMENT  
UNDER 37 CFR 1.63(e)**

Attorney Reference No.: KITO59.089APC

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Title: BIOMASS SOLID FUEL

Legal Names of All Inventors: Yuusuke HIRAIWA et al.

Please Direct All Correspondence to Customer Number **20995**

***Declaration of Inventors***

As an individual executing this Declaration, I hereby declare that:

This Declaration is directed to the invention identified above that: (check one)

- Is attached, where "attached" means filed concurrently with.
- Was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_.
- Was filed on October 1, 2018 as International Application No. PCT/JP2018/036673.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

***Assignment from Inventors***

WHEREAS, the inventor(s) identified above (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries while under an obligation to assign related to the title identified above (collectively hereinafter referred to as the "Work") for which the application identified above has been or will be filed (hereinafter the "Application").

AND WHEREAS, UBE INDUSTRIES, LTD., with its principal place of business at 1978-96, Oaza Kogushi, Ube-shi, Yamaguchi 755-8633, Japan (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all patent properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). \_\_\_\_\_ filed \_\_\_\_\_ (respectively if plural applications));

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

**COMBINED DECLARATION & ASSIGNMENT  
UNDER 37 CFR 1.63(e)**

Attorney Reference No.:

Page 2 of 2

Title: BIOMASS SOLID FUEL

Legal Names of All Inventors: Yuusuke HIRAIWA et al.

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AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

1. Legal Name of Inventor: Yuusuke HIRAIWA

Signature of Inventor: 平岩 友祐 Date: March 17, 2020

2. Legal Name of Inventor: Shigeya HAYASHI

Signature of Inventor: 林 茂也 Date: March 17, 2020

3. Legal Name of Inventor: Nobuyuki OOI

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