

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5720378

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAROU MAKINO	08/19/2019
SHUUJI NOAI	09/05/2019
KEIICHIROU AKAMINE	08/19/2019
RECEIVING PARTY DATA	
Name:	KROSAKIHARIMA CORPORATION
Street Address:	1-1, HIGASHIHAMA-MACHI
Internal Address:	YAHATANISHI-KU, KITAKYUSHU-SHI
City:	FUKUOKA
State/Country:	JAPAN
Postal Code:	806-8586
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16487591
CORRESPONDENCE DATA	
Fax Number:	(305)830-2605
<i>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.</i>	
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Correspondent Name:	FLEIT GIBBONS GUTMAN BONGINI & BIANCO PL
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ATTORNEY DOCKET NUMBER:	7620-X19-088
NAME OF SUBMITTER:	PAUL D. BIANCO
SIGNATURE:	/Paul D. Bianco/
DATE SIGNED:	09/16/2019
Total Attachments: 7	
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: KROSAKIHARIMA CORPORATION Confirmation No.: 9301

First Named Inventor: Tarou MAKINO Attorney Docket: 7620-X19-088

Appln. No.: 16/487,591

Filed: August 21, 2019

For: REFRACTORY PRODUCT FOR CASTING OF STEEL
AND PLATE FOR SLIDING NOZZLE DEVICE

SUBMISSION OF ASSIGNMENTS

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Commissioner:

The attached Assignments were executed by the inventors for the above-identified application.

Respectfully submitted,

/Paul D. Bianco/

Paul D. Bianco, Reg. # 43,500

Enclosure

Paul D. Bianco
FLEIT GIBBONS GUTMAN BONGINI & BIANCO
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e-mail: pbianco@fggbb.com

**DECLARATION (37 C.F.R. 1.63) FOR PATENT APPLICATION USING AN
APPLICATION DATA SHEET (37 C.F.R. 1.76) AND U.S. RIGHTS ASSIGNMENT**

Title of Invention:

**REFRACTORY PRODUCT FOR CASTING OF STEEL, AND PLATE FOR SLIDING
NOZZLE DEVICE**

As a below named inventor, I hereby declare that:

This declaration is directed to the US National Stage of International Application No. PCT/JP2018/001642, filed January 19, 2018.

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

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

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, the undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the FGGBB Docket Number provided below in the footer of this document;

Whereas, KROSAKIHARIMA CORPORATION, a Japanese company, having a place of business at 1-1, Higashihama-machi, Yahatanishi-ku, Kitakyushu-shi, Fukuoka, JAPAN 806-8586 (herein referred to as "ASSIGNEE"), desires to acquire, and the undersigned inventor ("ASSIGNOR") desires to grant to ASSIGNEE, the entire right, title, and interest in and to the Invention in the United States and its territories and in and to any and all U.S. patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, the ASSIGNOR hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the Invention in the United States and its territories, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, the ASSIGNOR hereby

authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent granted for the Invention, to ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in the United States and its territories in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and the undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, or assigns.

The ASSIGNOR acknowledges his prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to ASSIGNEE and is unaware of any reason why he may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. The ASSIGNOR also hereby grants ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

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 Inventor: **Tarou MAKINO**

Signature: Taro Makino

Date: August 19, 2019

[end of combined declaration and assignment]

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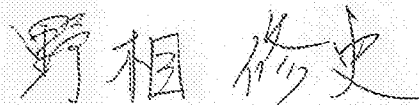
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Legal Name of Inventor: **Shuji NOAI**

Signature: _____



Date: _____



[end of combined declaration and assignment]

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Legal Name of Inventor: **Keiichirou AKAMINE**

Signature: Keiichirou Akamine

Date: August 19, 2019

[end of combined declaration and assignment]