

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | HIRONAGA SUZUKI | 11/22/2017 |
| | YUICHI KABA | 11/22/2017 |
| | SHINJIRO TODA | 11/22/2017 |
| RECEIVING PARTY DATA | | |
| Name: | NIPPON ELECTRODE CO., LTD. | |
| Street Address: | 5600 KAMBARA, SHIMIZU-KU, SHIZUOKA-SHI, | |
| City: | SHIZUOKA | |
| State/Country: | JAPAN | |
| Postal Code: | 4213203 | |
| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 15736300 | |
| CORRESPONDENCE DATA | | |
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| NAME OF SUBMITTER: | BELINDA LEE | |
| SIGNATURE: | /Belinda Lee/ | |
| DATE SIGNED: | 12/27/2017 | |
| Total Attachments: 2 | | |
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| source=73450_asm#page2.tif | | |

ASSIGNMENT

WHEREAS,

1. Hironaga SUZUKI
2. Yuichi KABA
3. Shinjiro TODA

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **HEAT TREATMENT APPARATUS FOR CARBONACEOUS GRAINS
AND METHOD THEREFOR**

[] Filed: Serial No.

[x] Executed concurrently with the execution of this instrument

WHEREAS, **NIPPON ELECTRODE CO., LTD.**
of 5600 Kambara, Shimizu-ku, Shizuoka-shi, Shizuoka 4213203 Japan

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: 鈴木 啓永
First Inventor: Hironaga SUZUKI

Date: November 22, 2017

Signature: 蒲 雄一
Second Joint Inventor: Yuichi KABA

Date: November 22, 2017

Signature: 戸田 晋次郎
Third Joint Inventor: Shinjiro TODA

Date: November 22, 2017