

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Tomoyuki Mikuriya	01/07/2010
Toshiaki Yoshioka	01/07/2010
Ryoichi Kawabata	01/07/2010
Eiji Watanabe	01/07/2010
Nobuhiro Onda	01/07/2010
Takeo Nikkuni	01/07/2010
Shuhei Wakamatsu	01/07/2010
Susumu Mochida	01/07/2010
Tadahiro Araake	01/07/2010
Hiroyuki Nakamura	01/07/2010

**RECEIVING PARTY DATA**

Name:	Chiyoda Corporation
Street Address:	12-1, Tsurumichuo 2-chome, Tsurumi-ku
City:	Yokohama-shi, Kanagawa
State/Country:	JAPAN

Name:	Nippon Furnace Co., Ltd.
Street Address:	1-53, Shitte 2-chome, Tsurumi-ku
City:	Yokohama-shi, Kanagawa
State/Country:	JAPAN

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12665163

**CORRESPONDENCE DATA**

Fax Number: (216)579-6073

**501094555**

**PATENT  
 REEL: 023945 FRAME: 0291**

**CH \$40.00 12665163**

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ATTORNEY DOCKET NUMBER:

NISA-46272

NAME OF SUBMITTER:

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Total Attachments: 4

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**ASSIGNMENT**

WHEREAS, new and useful improvements have been made by the undersigned in

**REACTOR EMPLOYING HIGH-TEMPERATURE AIR COMBUSTION TECHNOLOGY**

[ ] and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office.

[X] for which an application for Letters Patent of the United States was filed on 12/17/2009 which application is identified by Serial No. 12/665,163.

WHEREAS, CHIYODA CORPORATION, a corporation of Japan, having a place of business at 12-1, Tsurumichuo 2-chome, Tsurumi-ku, Yokohama-shi, Kanagawa, Japan, and NIPPON FURNACE CO., LTD., a corporation of Japan, having a place of business at 1-53, Shitte 2-chome, Tsurumi-ku, Yokohama-shi, Kanagawa, Japan, hereinafter referred to as "assignee", are desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal

representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

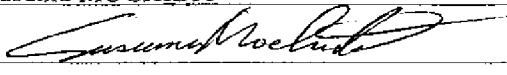

The undersigned hereby grants the firm of Pearne & Gordon LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

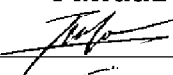
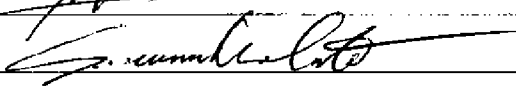
IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

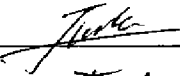
(1) Inventor Name: Tomoyuki MIKURIYA  
Signature: *T. Mikuriya*  
Today's Date: January 7, 2010  
Witness: *a. Wada*  
Witness: *C. Fukaya*

(2) Inventor Name: Toshiaki YOSHIOKA  
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Today's Date: January 7, 2010  
Witness: *a. Wada*  
Witness: *C. Fukaya*

- (3) Inventor Name: Ryoichi KAWABATA  
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Today's Date: January 7, 2010  
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Witness: T. Araake

(9) Inventor Name: Tadahiro ARAAKE  
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Witness:   
Witness: 

(10) Inventor Name: Hiroyuki NAKAMURA  
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Today's Date: January 7, 2010  
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Witness: T. Araake

\*\*Last Page of Document