

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Song Wu</td><td>12/13/2007</td></tr><tr><td>Takanori Nakamoto</td><td>12/11/2007</td></tr><tr><td>Takashi Muramoto</td><td>12/13/2007</td></tr><tr><td>Udo Zirn</td><td>12/13/2007</td></tr><tr><td>Toshio Katsube</td><td>12/05/2007</td></tr><tr><td>Hirofumi Kikkawa</td><td>12/05/2007</td></tr></tbody></table>	Name	Execution Date	Song Wu	12/13/2007	Takanori Nakamoto	12/11/2007	Takashi Muramoto	12/13/2007	Udo Zirn	12/13/2007	Toshio Katsube	12/05/2007	Hirofumi Kikkawa	12/05/2007	
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Hirofumi Kikkawa	12/05/2007														
RECEIVING PARTY DATA															
Name:	Hitachi Power Systems America, Ltd.														
Street Address:	645 Martinsville Road														
City:	Basking Ridge														
State/Country:	NEW JERSEY														
Postal Code:	07920														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11861245</td></tr></tbody></table>	Property Type	Number	Application Number:	11861245											
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Application Number:	11861245														
CORRESPONDENCE DATA															
Fax Number:	(732)542-9071														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	732-542-9070														
Email:	mike@sp-ip.com														
Correspondent Name:	Michael P. Straub														
Address Line 1:	620 Tinton Avenue														
Address Line 2:	Bldg. B 2nd Floor														
Address Line 4:	Tinton Falls, NEW JERSEY 07724														
ATTORNEY DOCKET NUMBER:	HPSA-3														

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PATENT
REEL: 020318 FRAME: 0177

NAME OF SUBMITTER:

Michael Straub

Total Attachments: 9

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PATENT

REEL: 020318 FRAME: 0178

ASSIGNMENT

WHEREAS, we, Song Wu, ASSIGNOR

a citizen of the USA, residing at 3 Brentwood Drive,
Livingston, NJ 07039;

Takanori Nakamoto, ASSIGNOR

a citizen of Japan, residing at 4-10-12, 705 Hondori, Kure,
Hiroshima, Japan;

Takashi Muramoto, ASSIGNOR

a citizen of Japan, residing at 1-10-47-1202 Shimizu, Kure-
shi, Hiroshima, Japan;

Udo Zirn, ASSIGNOR

a citizen of Germany, residing at 13 Franklin Place, Bldg.
6C, Morristown, NJ 07960; and

Toshio Katsube, ASSIGNOR

a citizen of Japan, residing at 6-33 Hirabara-cho, Kure-shi,
Hiroshima, Japan;

Hirofumi Kikkawa, ASSSIGNOR

a citizen of Japan, residing at 1-25-17 Kurumegi, Hesaka,
Higashi-ku, Hiroshima, Hiroshima, Japan;

are the inventors of the invention in:

METHODS AND APPARATUS FOR PERFORMING FLUE GAS POLLUTION CONTROL AND/OR
ENERGY RECOVERY

for which an application for a Patent of the United States

X was filed on September 25, 2007, as application serial
number 11/861,245, or

 is filed herewith;

and WHEREAS, Hitachi Power Systems America, Ltd., a
corporation having a place of business at 645 Martinsville
Road, Basking Ridge, NJ 07920, ASSIGNEE

is desirous of obtaining the entire right, title and interest in, to and under the invention and the application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, WE, the ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, and the United States application and all divisions, renewals and continuations (including all continuation-in-part applications) thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models and designs which have been or may hereafter be filed for the invention or claim the benefit of the application or any right of priority to the application, in any and all countries including any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;


AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to us regarding the invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for the invention in all countries.

The undersigned hereby grant(s) the law firm of Straub & Pokotylo the power to insert on this Assignment any further identification, including the application serial number, which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
13th day of December, 2007.



Song WB, Assignor

WITNESSED BY:



Name

645 Martinsville road,
Address

Basking Ridge NJ 07920

WITNESSED BY:



Name

645 Martinsville road
Address

Basking Ridge NJ 07920

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

11 day of December, 2007.

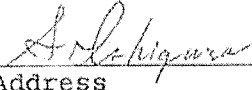


Takanori NAKAMOTO, Assignor

WITNESSED BY:

Shukuryo ISHIGURO

Name



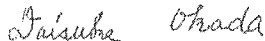
Address

6-9 Takaramachi Kure, Hiroshima, JAPAN

WITNESSED BY:

Daisuke Okada

Name



Address

6-9 Takaramachi Kure, Hiroshima, JAPAN

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
13 day of December, 2007.



Takashi MURAMOTO, Assignor

WITNESSED BY:



Name

645 Martinsville Road
Address

Basking Ridge NJ 07920

WITNESSED BY:



Name

645 Martinsville Road
Address

Basking Ridge NJ 07920

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
13 day of December, 2007.

U. Zirn
Udo ZIRN, Assignor

WITNESSED BY:

H. L. C. C.
Name
645 Martinsville Road
Address
Basking Ridge NJ 07920

WITNESSED BY:

Jean Jackson
Name
645 Martinsville Road
Address
Basking Ridge NJ 07920

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
5 day of December, 2007.



Toshio KATSUBE, Assignor

WITNESSED BY:

Shukuryo ISHIGURO
Name


Address

6-9 Takaramachi, Kure, Hiroshima, JAPAN

WITNESSED BY:

Daisuke Okada
Name

Daisuke Okada
Address

6-9 Takaramachi Kure, Hiroshima, JAPAN

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this
5 day of December, 2007.

Hirofumi Kikkawa
Hirofumi KIKKAWA, Assignor

WITNESSED BY:

Shukuryo ISHIGURO
Name

S Ishiguro
Address

6-9 Takamachi Kure, Hiroshima, JAPAN

WITNESSED BY:

Daisuke Okada
Name

Daisuke Okada
Address

6-9 Takamachi Kure, Hiroshima, JAPAN