

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Masatoshi MAJIMA</td><td>09/17/2010</td></tr> <tr><td>Shinji INAZAWA</td><td>09/21/2010</td></tr> <tr><td>Koji NITTA</td><td>09/17/2010</td></tr> <tr><td>Masahiro YAMAKAWA</td><td>09/17/2010</td></tr> <tr><td>Takayasu SUGIHARA</td><td>09/17/2010</td></tr> <tr><td>Yasuhiro TAKEDA</td><td>09/22/2010</td></tr> <tr><td>Yoshihiro AKAHANE</td><td>09/17/2010</td></tr> <tr><td>Takahiro IMAI</td><td>09/17/2010</td></tr> </tbody> </table>		Name	Execution Date	Masatoshi MAJIMA	09/17/2010	Shinji INAZAWA	09/21/2010	Koji NITTA	09/17/2010	Masahiro YAMAKAWA	09/17/2010	Takayasu SUGIHARA	09/17/2010	Yasuhiro TAKEDA	09/22/2010	Yoshihiro AKAHANE	09/17/2010	Takahiro IMAI	09/17/2010
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<b>Application Number:</b>	12936889																		
<b>CORRESPONDENCE DATA</b>																			
<p><b>Fax Number:</b> (202)204-0289</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p><b>Phone:</b> 202-842-8800</p> <p><b>Email:</b> renee.rodriguez@dbr.com</p> <p><b>Correspondent Name:</b> DRINKER BIDDLE &amp; REATH (DC)</p> <p><b>Address Line 1:</b> 1500 K STREET, N.W.</p> <p><b>Address Line 2:</b> SUITE 1100</p> <p><b>Address Line 4:</b> WASHINGTON, DISTRICT OF COLUMBIA 20005-1209</p>																			

OP \$40.00 12936889

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**PATENT**  
**REEL: 025110 FRAME: 0272**

ATTORNEY DOCKET NUMBER:	048404-0044 (459667)
NAME OF SUBMITTER:	Peter J. Sistare
Total Attachments: 2 source=048404-0044_asn#page1.tif source=048404-0044_asn#page2.tif	

ATTORNEY DOCKET NO.: -  
SOLE/JOINT INVENTION  
(U.S. Rights Only)

### ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

#### GAS DECOMPOSITION APPARATUS AND METHOD FOR DECOMPOSING GAS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on \_\_\_\_\_, (Serial No. \_\_\_\_\_); and

WHEREAS, SUMITOMO ELECTRIC INDUSTRIES, LTD., a corporation of JAPAN, whose post office address is 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041, JAPAN, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

<b>Full Name of Sole or First Assignor</b> Masatoshi MAJIMA	Assignor's Signature <i>Masatoshi Majima</i>	Date Sep. 17, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, JAPAN		Citizenship Japanese
<b>Full Name of Second Assignor</b> Shinji INAZAWA	Assignor's Signature <i>Shinji Inazawa</i>	Date Sep. 21, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, JAPAN		Citizenship Japanese
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<b>Full Name of Third Assignor</b> Koji NITTA	Assignor's Signature <i>Koji Nitta</i>	Date Sep. 17, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, JAPAN		Citizenship Japanese
<b>Full Name of Fourth Assignor</b> Masahiro YAMAKAWA	Assignor's Signature <i>Masahiro Yamakawa</i>	Date Sep. 17, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, JAPAN		Citizenship Japanese
<b>Full Name of Fifth Assignor</b> Takayasu SUGIHARA	Assignor's Signature <i>Takayasu Sugihara</i>	Date Sep. 17, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, JAPAN		Citizenship Japanese
<b>Full Name of Sixth Assignor</b> Yasuhiro TAKEDA	Assignor's Signature <i>Yasuhiro Takeda</i>	Date Sep. 22, 2010
Address c/o Sumitomo Electric Industries, Ltd., 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, JAPAN		Citizenship Japanese
<b>Full Name of Seventh Assignor</b> Yoshihiro AKAHANE	Assignor's Signature <i>Yoshihiro Akahane</i>	Date Sep. 17, 2010
Address c/o Osaka Works of Sumitomo Electric Industries, Ltd., 1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka, JAPAN		Citizenship japanese
<b>Full Name of Eighth Assignor</b> Takahiro IMAI	Assignor's Signature <i>Takahiro Imai</i>	Date Sep. 17, 2010
Address c/o Itami Works of Sumitomo Electric Industries, Ltd., 1-1, Koyakita 1-chome, Itami-shi, Hyogo, JAPAN		Citizenship Japanese
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		