

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
Tomio MIMURA	05/11/2007
Yasuyuki YAGI	05/11/2007
Kouki OGURA	05/11/2007
Masaki IIJIMA	05/11/2007
Toru TAKASHINA	05/11/2007
Hiroshi TANAKA	05/11/2007
Takuya HIRATA	05/11/2007

## RECEIVING PARTY DATA

Name:	MITSUBISHI HEAVY INDUSTRIES, LTD.
Street Address:	16-5, Konan 2-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	108-8215

Name:	THE KANSAI ELECTRIC POWER CO., INC.
Street Address:	6-16 Nakanoshima 3-chome, Kita-ku, Osaka
City:	Osaka-shi
State/Country:	JAPAN
Postal Code:	530-8270

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11659975

## CORRESPONDENCE DATA

Fax Number: (703)205-8050

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CH \$40.00 11659975

PATENT

500322615

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Address Line 4:	Falls Church, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	2611-0280PUS1
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NAME OF SUBMITTER:	Charles Gorenstein
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**Total Attachments: 6**

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PMAA-06011-USATTORNEY DOCKET NO. 2611-0280PUS1

## BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

## ASSIGNMENT

Application No. 11/659,975Filed February 12, 2007Insert Name(s)  
of Inventor(s)

\*\*\*[Given Name FAMILY NAME (ALL CAPS)]\*\*\*

WHEREAS, Tomio MIMURA, Yasuyuki YAGI, Kouki OGURA, Masaki IJIMA,  
Toru TAKASHINA, Hiroshi TANAKA and Takuya HIRATAInsert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

ABSORBING SOLUTION THAT REMOVES ANY ONE OF CO<sub>2</sub> AND H<sub>2</sub>S OR BOTH, AND  
METHOD AND APPARATUS THAT USES THE ABSORBING SOLUTION

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date  
of Signing of  
Applicationon May 11, 2007; andInsert Name  
of Assignee 1WHEREAS, mitsubishi heavy industries, LTD.Insert Address  
of Assignee 1of 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 JapanInsert Name  
of Assignee 2and, THE KANSAI ELECTRIC POWER CO., INC.Insert Address  
of Assignee 2of 6-16, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 530-8270 JapanInsert Name  
of Assignee 3

and, \_\_\_\_\_

Insert Address  
of Assignee 3

of \_\_\_\_\_

their heirs, successors, legal representatives and assigns (hereinafter designated as the Assignees) are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX  
IF APPROPRIATE☐ in any foreign countries,

in equal undivided amounts unless specific undivided amounts are listed below:

OWNERSHIP  
INTERESTAssignee 1 (50 %); Assignee 2 (50 %); Assignee 3 (\_\_\_\_ %).

JAP0719401  
PMAA-0601105

Attorney Docket No. 2611-0280PUS1

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignees in the specific undivided amounts listed above, or if not listed above, in equal undivided amounts, the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date May 11, 2007

Name of Inventor

Tomio Mimura

(signature) Tomio MIMURA

Date May 11, 2007

Name of Inventor

Yasuyuki Yagi

(signature) Yasuyuki YAGI

Date May 11, 2007

Name of Inventor

Kouki Ogura

(signature) Kouki OGURA

Date \_\_\_\_\_

Name of Inventor

(signature) Masaki IWAMA

Date \_\_\_\_\_

Name of Inventor

(signature) Toru TAKASHINA

Attorney Docket No. 2611-0280PUS1

Date _____	Name of Inventor _____ (signature) Hiroshi TANAKA
Date _____	Name of Inventor _____ (signature) Takuya HIRATA
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
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Insert Name  
of Assignee 1

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Insert Address  
of Assignee 1

of 16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 Japan

Insert Name  
of Assignee 2

and, THE KANSAI ELECTRIC POWER CO., INC.

Insert Address  
of Assignee 2

of 6-16, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 530-8270 Japan

Insert Name  
of Assignee 3

and, \_\_\_\_\_

Insert Address  
of Assignee 3

of \_\_\_\_\_

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IF APPROPRIATE

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in equal undivided amounts unless specific undivided amounts are listed below:

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INTEREST

Assignee 1 (50 %); Assignee 2 (50 %); Assignee 3 (\_\_\_\_ %).

2006-0241  
PMA-0601-05

Attorney Docket No. 2611-0280PUS1

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignees in the specific undivided amounts listed above, or if not listed above, in equal undivided amounts, the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Tomio MIMURA

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Yasuyuki YAGI

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) Kouki OGURA

Date May 11, 2007, Name of Inventor Masaki Iijima  
(signature) Masaki IJIMA

Date May 11, 2007, Name of Inventor Toru Takashina  
(signature) Toru TAKASHINA

Attorney Docket No. 2611-0280PUS1

Date May 11, 2007

Name of Inventor Hiroshi Tanaka  
(signature) Hiroshi TANAKA

Date May 11, 2007

Name of Inventor Takuya Hirata  
(signature) Takuya HIRATA

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

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(signature)

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_  
(signature)