

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Mitsuru UDATSU</td> <td>07/09/2013</td> </tr> <tr> <td>Hideo KITAMURA</td> <td>07/09/2013</td> </tr> <tr> <td>Masatoshi HODOTSUKA</td> <td>07/09/2013</td> </tr> <tr> <td>Satoshi SAITO</td> <td>07/09/2013</td> </tr> <tr> <td>Kensuke SUZUKI</td> <td>07/09/2013</td> </tr> <tr> <td>Noriko CHIBA</td> <td>07/09/2013</td> </tr> <tr> <td>Haruki FUJIMOTO</td> <td>07/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	Mitsuru UDATSU	07/09/2013	Hideo KITAMURA	07/09/2013	Masatoshi HODOTSUKA	07/09/2013	Satoshi SAITO	07/09/2013	Kensuke SUZUKI	07/09/2013	Noriko CHIBA	07/09/2013	Haruki FUJIMOTO	07/09/2013
Name	Execution Date																
Mitsuru UDATSU	07/09/2013																
Hideo KITAMURA	07/09/2013																
Masatoshi HODOTSUKA	07/09/2013																
Satoshi SAITO	07/09/2013																
Kensuke SUZUKI	07/09/2013																
Noriko CHIBA	07/09/2013																
Haruki FUJIMOTO	07/09/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>Kabushiki Kaisha Toshiba</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	Kabushiki Kaisha Toshiba	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8001						
Name:	Kabushiki Kaisha Toshiba																
Street Address:	1-1, Shibaura 1-chome, Minato-ku																
City:	Tokyo																
State/Country:	JAPAN																
Postal Code:	105-8001																
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>13921450</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13921450												
Property Type	Number																
Application Number:	13921450																
CORRESPONDENCE DATA																	
Fax Number:	7136234846																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	713 623 4844																
Email:	psdocketing@pattersonsheridan.com, mguajardo@pattersonsheridan.com																
Correspondent Name:	Frederick D. Kim																
Address Line 1:	3040 Post Oak Blvd																
Address Line 2:	Suite 1500																
Address Line 4:	Houston, TEXAS 77056																

OP \$40.00 13921450

ATTORNEY DOCKET NUMBER:	TOSH/0577US
NAME OF SUBMITTER:	Frederick D. Kim
Signature:	/Frederick D. Kim/
Date:	09/16/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 3 source=TOSH0577US_Assignment_with_Dec_20130916#page1.tif source=TOSH0577US_Assignment_with_Dec_20130916#page2.tif source=TOSH0577US_Assignment_with_Dec_20130916#page3.tif	

**ASSIGNMENT FOR APPLICATION FOR PATENT
WITH DECLARATION STATEMENT**

WHEREAS:

Names and Addresses of Inventors:

1)	Mitsuru UDATSU Kawasaki-Shi, Kanagawa-Ken, Japan	2)	Hideo KITAMURA Tokyo, Japan
3)	Masatoshi HODOTSUKA Saitama-Shi, Saitama-Ken, Japan	4)	Satoshi SAITO Yamato-Shi, Kanagawa-Ken, Japan
5)	Kensuke SUZUKI Yokohama-Shi, Kanagawa-Ken, Japan	6)	Noriko CHIBA Yokohama-Shi, Kanagawa-Ken, Japan
7)	Haruki FUJIMOTO Yokohama-Shi, Kanagawa-Ken, Japan		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

CARBON DIOXIDE RECOVERY DEVICE AND CARBON DIOXIDE RECOVERY METHOD

enclosed herewith or for which application for Letters Patent in the United States was filed on June 18, 2013 under Serial No. 13/921,450; and

WHEREAS, KABUSHIKI KAISHA TOSHIBA, 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. In the event that the filing date and/or Application No. of said Invention are not entered above at the time Assignors execute this document, and if such information is deemed necessary, Assignors hereby authorize and request the attorney/agent(s) of Patterson & Sheridan, LLP, to insert above the filing date and/or Application No. of said application.

6. This declaration is directed to the above-identified application.

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me;

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application; and

I acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>July 9, 2013</u> (DATE)	<u>Mitsuru Udatsu</u> Mitsuru UDATSU
2)	<u>July 9, 2013</u> (DATE)	<u>Hideo Kitamura</u> Hideo KITAMURA
3)	<u>July 9, 2013</u> (DATE)	<u>Masatoshi HodoTsuka</u> Masatoshi HODOTSUKA
4)	<u>July 9, 2013</u> (DATE)	<u>Satoshi Saito</u> Satoshi SAITO

- 5) July 9, 2013 (DATE) *Kensuke Suzuki*
Kensuke SUZUKI
- 6) July 9, 2013 (DATE) *Noriko Chiba*
Noriko CHIBA
- 7) July 9, 2013 (DATE) *Haruki Fujimoto*
Haruki FUJIMOTO