

## 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>Mineki KUBO</td> <td>06/25/2012</td> </tr> <tr> <td>Hiroshi HORIKOSHI</td> <td>06/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mineki KUBO	06/25/2012	Hiroshi HORIKOSHI	06/25/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>MITSUBISHI GAS CHEMICAL COMPANY, INC.</td> </tr> <tr> <td>Street Address:</td> <td>MITSUBISHI Building, 5-2, Marunouchi 2-chome, Chiyoda-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>100-8324</td> </tr> </table>		Name:	MITSUBISHI GAS CHEMICAL COMPANY, INC.	Street Address:	MITSUBISHI Building, 5-2, Marunouchi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8324
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CORRESPONDENCE DATA											
<p>Fax Number: 7037161180          Phone: 703-716-1191          Email: gbpatent@gbpatent.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: GREENBLUM &amp; BERNSTEIN, P.L.C.          Address Line 1: 1950 ROLAND CLARKE PLACE          Address Line 4: RESTON, VIRGINIA 20191</p>											
ATTORNEY DOCKET NUMBER:	P42192										
NAME OF SUBMITTER:	Leslie J. Paperner										
<p>Total Attachments: 3          source=P42192_Assignment#page1.tif          source=P42192_Assignment#page2.tif          source=P42192_Assignment#page3.tif</p>											

OP \$40.00 13577298

PATENT

ASSIGNMENT

WHEREAS, **Mineki KUBO**, a citizen of JAPAN, whose post office address is c/o MITSUBISHI GAS CHEMICAL COMPANY, INC., Naniwa Plant, 3-27, Funamachi 1-chome, Taisho-ku, Osaka-shi, Osaka 551-0022 JAPAN, and **Hiroshi HORIKOSHI**, a citizen of JAPAN, whose post office address is c/o MITSUBISHI GAS CHEMICAL COMPANY, INC., Naniwa Plant, 3-27, Funamachi 1-chome, Taisho-ku, Osaka-shi, Osaka 551-0022 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

**METHOD FOR PRODUCING EPISULFIDE COMPOUND**

for which they have executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office, which Application is a National Stage of International Application No. PCT/JP2011/053649, filed February 21, 2011.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the practitioners of record in this application associated with Customer No.07055 including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

AND WHEREAS, **mitsubishi gas chemical company, inc.**, a corporation organized and existing under the laws of Japan, whose post-office address is MITSUBISHI Building, 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8324 JAPAN, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages

in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

First Witness:

Yasunari Kawabata  
(Name) Yasunari Kawabata

June 25, 2012  
(Date)

Mineki Kubo

Mineki KUBO

Date June 25, 2012

Second Witness:

Satoshi Ueno  
(Name) Satoshi Ueno

June 25, 2012  
(Date)

First Witness:

Yasunari Kawabata

(Name) Yasunari Kawabata

June 25, 2012

(Date)

Hiroshi Horikoshi

**Hiroshi HORIKOSHI**

Date June 25, 2012

Second Witness:

Satoshi Veno

(Name) Satoshi Veno

June 25, 2012

(Date)