

## 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>Minoru GENTA</td> <td>07/19/2012</td> </tr> <tr> <td>Seiichi TERAOKA</td> <td>07/19/2012</td> </tr> <tr> <td>Hideo SUZUKI</td> <td>07/19/2012</td> </tr> <tr> <td>Gaku KONDO</td> <td>07/19/2012</td> </tr> <tr> <td>Michio NISHIYAMA</td> <td>07/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Minoru GENTA	07/19/2012	Seiichi TERAOKA	07/19/2012	Hideo SUZUKI	07/19/2012	Gaku KONDO	07/19/2012	Michio NISHIYAMA	07/19/2012
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Michio NISHIYAMA	07/19/2012												
RECEIVING PARTY DATA													
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City:	Kobe-shi, Hyogo												
State/Country:	JAPAN												
Postal Code:	652-0865												
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>13578116</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13578116								
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Application Number:	13578116												
CORRESPONDENCE DATA													
Fax Number:	2028221111												
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NAME OF SUBMITTER:	Crystal Boyer												
Total Attachments: 1 source=120944_Assignment_08-07-2012#page1.tif													

OP \$40.00 13578116

2010-6975  
(2010-1207-00)

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by  
(Insert Name(s) & Address(es) of ASSIGNEE(S))

MITSUBISHI HEAVY INDUSTRIES MECHATRONICS SYSTEMS, LTD.  
1-16, Komatsudori 5-chome, Hyogo-ku, Kobe-shi, Hyogo, 652-0865 JAPAN

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

SACCHARIDE-SOLUTION PRODUCING APPARATUS, FERMENTATION SYSTEM,  
SACCHARIDE-SOLUTION PRODUCING METHOD, AND FERMENTATION METHOD

relating to International Patent Application PCT/JP2011/050448 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on \_\_\_\_\_


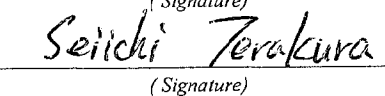
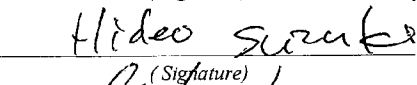

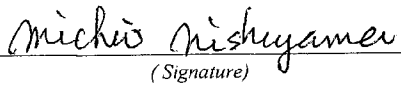
Serial No. \_\_\_\_/\_\_\_\_\_

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1)	 (Signature)	Minoru GENTA (Type Name)	July 19, 2012 (Date)
2)	 (Signature)	Seiichi TERAOKURA (Type Name)	July 19, 2012 (Date)
3)	 (Signature)	Hideo SUZUKI (Type Name)	July 19, 2012 (Date)
4)	 (Signature)	Gaku KONDO (Type Name)	July 19, 2012 (Date)
5)	 (Signature)	Michio NISHIYAMA (Type Name)	July 19, 2012 (Date)