

**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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiroshi AOKI</td> <td>08/07/2008</td> </tr> <tr> <td>Hiroaki TAO</td> <td>08/07/2008</td> </tr> <tr> <td>Masaki TORIMURA</td> <td>08/07/2008</td> </tr> <tr> <td>Takashi IKEDA</td> <td>08/08/2008</td> </tr> </tbody> </table>		Name	Execution Date	Hiroshi AOKI	08/07/2008	Hiroaki TAO	08/07/2008	Masaki TORIMURA	08/07/2008	Takashi IKEDA	08/08/2008
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<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	National Institute of Advanced Industrial Science and Technology										
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<b>City:</b>	Tokyo										
<b>State/Country:</b>	JAPAN										
<b>Postal Code:</b>	100-8921										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12201552</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12201552						
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Application Number:	12201552										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(202)344-8300										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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<b>ATTORNEY DOCKET NUMBER:</b>	32307-263069										
<b>NAME OF SUBMITTER:</b>	Michael A. Sartori, Ph.D.										
<p>Total Attachments: 2          source=Assignment#page1.tif</p>											

CH \$40.00 12201552



ASSIGNMENT OF APPLICATION FOR UNITED STATES PATENT

WHEREAS Hiroshi AOKI, Hiroaki TAO, Masaki TORIMURA and Takashi IKEDA, hereinafter (collectively) referred to as the assignor, have invented a certain improvement relating to A DISPENSING APPARATUS AND A DISPENSING METHOD for which said assignor has caused an application for a United States Patent to be prepared,

[X] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the U.S. Patent and Trademark Office;

[ ] said application having been filed in the U.S. Patent and Trademark Office on \_\_\_\_\_ and given Application No. \_\_\_\_\_;

[ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_ and given Application No. \_\_\_\_\_, the United States of America having been designated.

AND WHEREAS National Institute of Advanced Industrial Science and Technology, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any divisions and continuations thereof, and in and to said invention and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said invention and to said application, including any divisions and continuations thereof, and in any patents which may be granted therefor, including any renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said invention and said application, including any divisions and continuations thereof, and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any such patents when granted, including any renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any acts relating to the obtaining or to the asserting of said patents, including any renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue a Patent on said application, and on any divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED this 7 day of August, 2008

ASSIGNOR: Hiroshi Aoki  
Signature: \_\_\_\_\_

Name: Hiroshi AOKI

WITNESS: Taeko Kobayashi  
Signature: \_\_\_\_\_

Name: Taeko KOBAYASHI

Address: Tsukuba-shi, Japan

EXECUTED this 7 day of August, 2008

ASSIGNOR: Hiroaki Tao  
Signature: \_\_\_\_\_

Name: Hiroaki TAO

WITNESS: Taeko Kobayashi  
Signature: \_\_\_\_\_

Name: Taeko KOBAYASHI

Address: Tsukuba-shi, Japan

EXECUTED this 7 day of August, 2008

ASSIGNOR:  
Signature: Masako Torimura

Name: Masaki TORIMURA

WITNESS:  
Signature: Taeko Kobayashi

Name: Taeko KOBAYASHI

Address: Tsukuba-shi, Japan

EXECUTED this 8 day of August, 2008

ASSIGNOR:  
Signature: Takeshi Ikeda

Name: Takashi IKEDA

WITNESS:  
Signature: Taeko Kobayashi

Name: Taeko KOBAYASHI

Address: Tsukuba-shi, Japan