

## 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>Takashi SATO</td> <td>07/19/2012</td> </tr> <tr> <td>Takitaro YAMAGUCHI</td> <td>07/19/2012</td> </tr> </tbody> </table>                                                                                                                                                                              |                                    | Name          | Execution Date                     | Takashi SATO        | 07/19/2012             | Takitaro YAMAGUCHI | 07/19/2012     |                |       |              |          |
| Name                                                                                                                                                                                                                                                                                                                                                                                                        | Execution Date                     |               |                                    |                     |                        |                    |                |                |       |              |          |
| Takashi SATO                                                                                                                                                                                                                                                                                                                                                                                                | 07/19/2012                         |               |                                    |                     |                        |                    |                |                |       |              |          |
| Takitaro YAMAGUCHI                                                                                                                                                                                                                                                                                                                                                                                          | 07/19/2012                         |               |                                    |                     |                        |                    |                |                |       |              |          |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                        |                                    |               |                                    |                     |                        |                    |                |                |       |              |          |
| <table border="1"> <tr> <td>Name:</td> <td>SUMITOMO CHEMICAL COMPANY, LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>27-1, Shinkawa 2-chome</td> </tr> <tr> <td>City:</td> <td>Chuo-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>104-8260</td> </tr> </table>                                                                                |                                    | Name:         | SUMITOMO CHEMICAL COMPANY, LIMITED | Street Address:     | 27-1, Shinkawa 2-chome | City:              | Chuo-ku, Tokyo | State/Country: | JAPAN | Postal Code: | 104-8260 |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                       | SUMITOMO CHEMICAL COMPANY, LIMITED |               |                                    |                     |                        |                    |                |                |       |              |          |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                             | 27-1, Shinkawa 2-chome             |               |                                    |                     |                        |                    |                |                |       |              |          |
| City:                                                                                                                                                                                                                                                                                                                                                                                                       | Chuo-ku, Tokyo                     |               |                                    |                     |                        |                    |                |                |       |              |          |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                              | JAPAN                              |               |                                    |                     |                        |                    |                |                |       |              |          |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                                | 104-8260                           |               |                                    |                     |                        |                    |                |                |       |              |          |
| 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>13522172</td> </tr> </tbody> </table>                                                                                                                                                                                                                                   |                                    | Property Type | Number                             | Application Number: | 13522172               |                    |                |                |       |              |          |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                               | Number                             |               |                                    |                     |                        |                    |                |                |       |              |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                         | 13522172                           |               |                                    |                     |                        |                    |                |                |       |              |          |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                         |                                    |               |                                    |                     |                        |                    |                |                |       |              |          |
| <p>Fax Number: 2022937860</p> <p>Phone: 202-293-7060</p> <p>Email: dhunter@sughrue.com, sughrue@sughrue.com</p> <p><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: Sughrue Mion, PLLC</p> <p>Address Line 1: 2100 Pennsylvania Avenue NW</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20037</p> |                                    |               |                                    |                     |                        |                    |                |                |       |              |          |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                                     | Q141211                            |               |                                    |                     |                        |                    |                |                |       |              |          |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                          | Darryl Hunter, New Apps Specialist |               |                                    |                     |                        |                    |                |                |       |              |          |
| <p>Total Attachments: 1</p> <p>source=Q141211_Assignment#page1.tif</p>                                                                                                                                                                                                                                                                                                                                      |                                    |               |                                    |                     |                        |                    |                |                |       |              |          |

OP \$40.00 13522172

**ASSIGNMENT**

Whereas, I/we,

NameAddress1) **Takashi SATO**4-26-410-401, Matsushiro,  
Tsukuba-shi, Ibaraki 305-0035 Japan2) **Takitaro YAMAGUCHI**4-4-4-411, Sanuki,  
Ryugasaki-shi, Ibaraki 301-0032 Japanhereinafter called assignor(s), have invented certain improvements in  
**AIR BATTERY AND AIR BATTERY STACK**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on July 13, 2012, Serial No. 13/522172; and  
Whereas**SUMITOMO CHEMICAL COMPANY, LIMITED**27-1, Shinkawa 2-chome,  
Chuo-ku, Tokyo 104-8260 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED1): Takashi Sato  
Name: Takashi SATOJuly 19 / 20122): Takitaro Yamaguchi  
Name: Takitaro YAMAGUCHIJuly 19 / 2012