

## 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>Yusuke TOKUNAGA</td> <td>08/19/2013</td> </tr> <tr> <td>Tomoya TAKAHASHI</td> <td>08/19/2013</td> </tr> <tr> <td>Kazuyoshi NAGAI</td> <td>08/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yusuke TOKUNAGA	08/19/2013	Tomoya TAKAHASHI	08/19/2013	Kazuyoshi NAGAI	08/20/2013
Name	Execution Date								
Yusuke TOKUNAGA	08/19/2013								
Tomoya TAKAHASHI	08/19/2013								
Kazuyoshi NAGAI	08/20/2013								
RECEIVING PARTY DATA									
Name:	Samsung Electro-Mechanics Japan Advanced Technology Co., Ltd.								
Street Address:	430-1, Hanagura, Fujieda-shi,								
City:	Shizuoka								
State/Country:	JAPAN								
Postal Code:	426-0292								
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>14022385</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14022385				
Property Type	Number								
Application Number:	14022385								
CORRESPONDENCE DATA									
Fax Number:	2027978188								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	202 797 4181								
Email:	IPUSA@IPUSAPAT.COM, ips@itohpat.co.jp								
Correspondent Name:	IPUSA, P.L.L.C								
Address Line 1:	1054 31ST STREET, N.W.								
Address Line 2:	Suite 400								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20007								
ATTORNEY DOCKET NUMBER:	13SAT-002								
NAME OF SUBMITTER:	Herman Paris								
Signature:	/Herman Paris/								

502489214

**PATENT**  
REEL: 031173 FRAME: 0792

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Date:

09/10/2013

**Total Attachments: 3**

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**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
Yusuke TOKUNAGA, Tomoya TAKAHASHI,  
Kazuyoshi NAGAI  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Samsung Electro-Mechanics Japan Advanced Technology Co., Ltd.  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) August 19, 2013 and August 20, 2013  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Street Address: 430-1, Hanagura, Fujieda-shi,  
\_\_\_\_\_  
City: Shizuoka  
State: \_\_\_\_\_  
Country: JP Zip: 426-0292  
Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**  This document serves as an Oath/Declaration (37 CFR 1.63).  
A. Patent Application No.(s) \_\_\_\_\_  
B. Patent No.(s) \_\_\_\_\_  
  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: IPUSA, PLLC  
Internal Address: \_\_\_\_\_  
\_\_\_\_\_  
Street Address: 1054 31st Street, N.W., Suite 400  
\_\_\_\_\_  
City: Washington  
State: DC Zip: 20007  
Phone Number: 202-797-4181  
Docket Number: 13SAT-002  
Email Address: ipusa@ipusapat.com

**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
Deposit Account Number 50-4424  
Authorized User Name Herman W. Paris

**9. Signature:** /Herman W. Paris/ September 10, 2013  
Signature Date  
Herman W. Paris Total number of pages including cover sheet, attachments, and documents: **3**  
Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

**THIS ASSIGNMENT, by (1) Yusuke TOKUNAGA, (2) Tomoya TAKAHASHI and (3) Kazuyoshi NAGAI, (hereinafter referred to as "Assignors"), residing at (1) Fujieda-shi, Shizuoka, Japan, (2) Fujieda-shi, Shizuoka, Japan and (3) Fujieda-shi, Shizuoka, Japan, respectively;**

**WHEREAS, Assignors have invented certain new and useful improvements in ROTATING DEVICE,**

(Application No. \_\_\_\_\_, filed \_\_\_\_\_)

set forth in a patent application for Letters Patent of the United States, either previously filed or executed concurrently herewith; and

**WHEREAS, Samsung Electro-Mechanics Japan Advanced Technology Co., Ltd. (hereinafter referred to as "Assignee"), having offices at 430-1, Hanagura, Fujieda-shi, Shizuoka 426-0292 Japan, is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon;**

**NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuation-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and Assignment not been made;**

**AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles, and or interests that have arisen to Assignee under the law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;**

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns shall advise; that any proceeding in connection with said inventions, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable;

AND Assignors hereby request that the Director of the United States Patent and Trademark Office issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the said Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns;

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document: All practitioners associated with the Customer Number 77464.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

19. Aug. 2013  
Date

Yusuke Tokunaga  
Yusuke TOKUNAGA

19. Aug. 2013  
Date

Tomoya Takahashi  
Tomoya TAKAHASHI

20. Aug. 2013  
Date

Kazuyoshi Nagai  
Kazuyoshi NAGAI