

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT2804638

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AKIRA IKEUCHI	07/31/2012
HIDENORI TANAKA	07/31/2012
ITSUKI NAKANO	07/31/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MITSUMI ELECTRIC CO., LTD.
<b>Street Address:</b>	2-11-2, TSURUMAKI, TAMA-SHI
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	206-8567
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14247343
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	12MM-013D1
<b>NAME OF SUBMITTER:</b>	HERMAN PARIS
<b>SIGNATURE:</b>	/Herman Paris/
<b>DATE SIGNED:</b>	04/08/2014
<b>Total Attachments: 3</b>	
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source=12MM-013D1AssignmentRecordation#page3.tif	

### 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)**  
Akira IKEUCHI, Hidenori TANAKA,  
Itsuki NAKANO

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: MITSUMI ELECTRIC CO., LTD.  
Internal Address: \_\_\_\_\_  
Street Address: 2-11-2, Tsurumaki, Tama-Shi,  
City: Tokyo  
State: \_\_\_\_\_  
Country: JP Zip: 206-8567

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) July 31, 2012

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**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: 12MM-013D1  
Email Address: ipusa@ipusapat.com

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

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/ April 7, 2014  
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) Akira IKEUCHI, (2) Hidenori TANAKA and (3) Itsuki NAKANO (hereinafter referred to as "Assignors"), residing at (1) Tama-Shi, Tokyo, Japan, (2) Tama-Shi, Tokyo, Japan and (3) Tama-Shi, Tokyo, Japan respectively;

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

### PROTECTIVE MONITORING CIRCUIT AND BATTERY PACK

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

**WHEREAS, MITSUMI ELECTRIC CO., LTD.** (hereinafter referred to as "**Assignee**"), having offices at 2-11-2, Tsurumaki, Tama-Shi, Tokyo 206-8567 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 to 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.

July 31, 2012  
Date

Akira Ikeuchi  
Akira IKEUCHI

July 31, 2012  
Date

Hidenori Tanaka  
Hidenori TANAKA

July 31, 2012  
Date

Itsuki Nakano  
Itsuki NAKANO