

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3625408

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SPELLING OF THE FOURTH INVENTOR NAME ON THE NOTICE OF RECORDATION TO CORRECTLY READ FUMIHIKO "MAETANI" previously recorded on Reel 036978 Frame 0754. Assignor(s) hereby confirms the INVENTOR NAME WAS INCORRECTLY SPELLED AS FUMIHIKO "MOETANI".
CONVEYING PARTY DATA	
Name	Execution Date
TAKASHI ONO	10/30/2015
TOSHIYUKI KOIKE	10/30/2015
SATOSHI ABE	10/30/2015
FUMIHIKO MAETANI	10/30/2015
RECEIVING PARTY DATA	
Name:	SEIKO INSTRUMENTS INC.
Street Address:	8, NAKASE 1-CHOME, MIHAMA-KU
City:	CHIBA-SHI, CHIBA
State/Country:	JAPAN
Postal Code:	261-8507
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14711343
CORRESPONDENCE DATA	
Fax Number:	(312)321-4299
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	312-321-4200
Email:	hkakiuchi@brinksgilson.com, usassignments@brinksgilson.com
Correspondent Name:	TADASHI HORIE/HISAMI KAKIUCHI
Address Line 1:	P.O. BOX 10395
Address Line 4:	CHICAGO, ILLINOIS 60610
ATTORNEY DOCKET NUMBER:	11106/756
NAME OF SUBMITTER:	TADASHI HORIE
SIGNATURE:	/Tadashi Horie/
DATE SIGNED:	11/20/2015

Total Attachments: 5

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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>TAKASHI ONO</td><td>11/06/2015</td></tr><tr><td>TOSHIYUKI KOIKE</td><td>11/06/2015</td></tr><tr><td>SATOSHI ABE</td><td>11/06/2015</td></tr><tr><td>FUMIHIKO MOETANI</td><td>11/06/2015</td></tr></tbody></table>	Name	Execution Date	TAKASHI ONO	11/06/2015	TOSHIYUKI KOIKE	11/06/2015	SATOSHI ABE	11/06/2015	FUMIHIKO MOETANI	11/06/2015	
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NAME OF SUBMITTER:	TADASHI HORIE										
Signature:	/Tadashi Horie/										

PATENT

Date:

11/06/2015

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RECEIPT INFORMATION**EPAS ID:**

PAT3605113

Receipt Date:

11/06/2015

PATENT

ASSIGNMENT

WHEREAS, Takashi ONO, Toshiyuki KOIKE, Satoshi ABE and Fumihiko MAETANI, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled CHARGE AND DISCHARGE CONTROL CIRCUIT AND BATTERY DEVICE, for a full description of which reference is here made to an application for Letters Patent of the United States filed on May 13, 2015 and assigned Application Serial No. 14/711,343;

WHEREAS, Seiko Instruments Inc., a corporation organized and existing under the laws of Japan, having a place of business at 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan 261-8507, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the

Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: October 30 2015 Takashi Ono
WITNESSED: Takashi ONO

DATE: _____

DATE: _____

DATE: October 30 2015 Toshiyuki Koike
WITNESSED: Toshiyuki KOIKE

DATE: _____

DATE: _____

DATE: October 30 2015 Satoshi Abe
WITNESSED: Satoshi ABE

DATE: _____

DATE: _____

DATE: October 30 2015 Fumihiko Maetani
WITNESSED: Fumihiko MAETANI

DATE: _____

DATE: _____