Form PTO-1595 (Rev. 07/05)	U.S. DEPARTMENT OF COMMERCE					
OMB No. 0651-0027 (exp. 6/30/2008) 09 - 28 - 2						
9-25.09						
To the Director of the U.S. Paten 1035753	d documents or the new address(es) below.					
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)					
Tsutomu MATSUHIRA	Name: SEIKO INSTRUMENTS INC.					
	Internal Address:					
Additional name(s) of conveying party(ies) attached? Yes No.  3. Nature of conveyance/Execution Date(s):  Execution Date(s) SEPTEMBER 18, 2009	Street Address: 8, NAKASE 1-CHOME, MIHAMA-KU					
✓ Assignment						
Security Agreement Change of Name	City: CHIBA-SHI, CHIBA					
Joint Research Agreement	State:					
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: JAPAN Zip: 261-8507					
Other	Additional name(s) & address(es) attached? Yes X No					
A. Patent Application No.(s) 12/449,271  Additional numbers att	B. Patent No.(s)  SEP 2.5  ached? ☐ Yes ✓ No					
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:					
Name: ADAMS & WILKS	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00					
Internal Address:	Authorized to be charged by credit card					
	Authorized to be charged to deposit account any deficiency in enclosed fee					
Street Address: 17 BATTERY PLACE	✓ Enclosed  None required (government interest not affecting title)					
SUITE 1231						
City: NEW YORK	8. Payment Information					
State: NEW YORK Zip: 10004	a. Credit Card Last 4 Numbers Expiration Date					
Phone Number: 212-809-3700	b. Deposit Account Number <u>01-0268</u>					
Fax Number: 212-809-3704	Authorized 6/56/2018 ADAMAG 6VILLES 271					
Email Address:	91 FC:8021 49.00 OP					
9. Signature: Signature	SEPTEMBER 22,2009					
BRUCE L. ADAMS Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:					

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

PATENT

REEL: 023294 FRAME: 0252

## ASSIGNMENT

WHEREAS, I, Tsutomu Matsuhira (now deceased), have invented new and useful improvements in DISPLAY DEVICE for which I have prepared an application for Letters Patent of the United States of America;

AND WHEREAS, SEIKO INSTRUMENTS INC., a Japanese corporation located and doing business at 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507, Japan, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration to me in hand paid, the receipt of which is hereby acknowledged, I have assigned, sold and transferred and by these presents do hereby assign, sell and transfer unto the said SEIKO INSTRUMENTS INC. for the territory of the United States of America, my entire right, title and interest in and to the said invention, and in and to the said application, prepared and executed by me on September 9 , 2009, filed July 30, 2009, Application No. 12/449,271, preparatory to obtaining Letters Patent thereon and in and to any and all divisions, reissues and continuations thereof, and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said SEIKO INSTRUMENTS INC., its legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment, sale and transfer not been made.

> PATENT REEL: 023294 FRAME: 0253

AND, I hereby covenant and agree that I will at any time upon the request and at the expense of said assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and I hereby authorize and request the Honorable Commissioner of Patents and Trademarks to issue the said Letters Patent to the said SEIKO INSTRUMENTS INC. in accordance with this assignment.

	Executed	this	<u>18th</u>	day d	of _	September ,	2009
at							
Witness:							

Tomoko matsuhira (L.S.)

Tomoko Matsuhira Legal Representative (Wife) Estate of Tsutomu Matsuhira