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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)

Takafumi SARATA, Fumiharu IWASAKI,  
Norimasa YANASE, Kazutaka  
YUZURIHARA, Noboru ISHISONE,  
Toru OZAKI and Tsuneaki TAMACHI

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) MAY 19, 2009

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

2. Name and address of receiving party(ies)

Name: SEIKO INSTRUMENTS INC.

Internal Address: \_\_\_\_\_

Street Address: 8, NAKASE 1-CHOME, MIHAMA-KU

City: CHIBA-SHI, CHIBA

State: \_\_\_\_\_

Country: JAPAN Zip: 261-8507

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

4. Application or patent number(s):

☒ This document is being filed together with a new application.

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: ADAMS & WILKS

Internal Address: \_\_\_\_\_

Street Address: 17 BATTERY PLACE

SUITE 1231

City: NEW YORK

State: NEW YORK Zip: 10004

Phone Number: 212-809-3700

Fax Number: 212-809-3704

Email Address: \_\_\_\_\_

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 by credit card  
☒ Authorized to be charged to deposit account --  
any deficiency in enclosed fee  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 01-0268

• Authorized User Name ADAMS & WILKS

9. Signature:

*Bruce L. Adams*  
Signature

JUNE 3, 2009

Date

BRUCE L. ADAMS

Name of Person Signing

Total number of pages including cover  
sheet, attachments, and documents:

3

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

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PATENT  
REEL: 022807 FRAME: 0546

12/313000  
ASSIGNMENT

1AP16 Rec'd PCT/PTO 03 JUN 2009

WHEREAS, 1) Takafumi SARATA, 2) Fumiharu IWASAKI,  
3) Norimasa YANASE, 4) Kazutaka YUZURIHARA, 5) Noboru ISHISONE,  
6) Toru OZAKI and 7) Tsuneaki TAMACHI  
(1-7) c/o SEIKO INSTRUMENTS INC., 8, Nakase 1-chome, Mihama-ku,  
Chiba-shi, Chiba 261-8507 JAPAN,  
have invented new and useful improvements in HYDROGEN PRODUCTION  
APPARATUS AND FUEL CELL SYSTEM,  
for which we have prepared an application for Letters Patent of  
the United States of America;

AND WHEREAS, SEIKO INSTRUMENTS INC., of  
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 us in hand paid, the receipt of which  
is hereby acknowledged, we 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, our entire right,  
title and interest in and to the said invention, and in and to the  
said application, prepared and executed by us on May 19,  
2009, filed \_\_\_\_\_ 20\_\_\_\_, Application No.  
\_\_\_\_\_, 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 us had this assignment, sale and transfer not been made.

AND, we hereby covenant and agree that we 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 we 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 19th day of May, 2009 at

Chiba, JAPAN

Witness:

Sayaka Watanabe Takafumi Sarata (L.S.)  
Takafumi SARATA

Fumiharu Iwasaki (L.S.)  
Fumiharu IWASAKI

Norimasa Yanase (L.S.)  
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Tsuneaki Tamachi (L.S.)  
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