

12-05-2006



HEET

To the Director of the U.S. Pat

103344303

ned documents or the new address(es) below.

1. Name of conveying party(ies)

Takayuki MATSUI  
Toshimasa IKE  
Masahiro NOGUCHI  
Fukuzo WATANABE

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

2. Name and address of receiving party(ies)

Name: Seiko Instruments Inc.

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

Street Address: 8, Nakase 1-chome,

Mihamu-ku, Chiba-shi

City: Chiba

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

Country: JAPAN Zip: 261-8507

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

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

Execution Date(s) NOVEMBER 24, 2006

- 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 is being filed together with a new application.

A. Patent Application No.(s)

10/585,751

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Bruce L. Adams

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

Street Address: ADAMS & WILKS

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 Bruce L. Adams

9. Signature:

Signature

NOVEMBER 27, 2006

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 (703) 306-5995, 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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40.00 DP

**MAILING CERTIFICATE ON  
REVERSE SIDE OF PAGE**

**PATENT  
REEL: 018626 FRAME: 0409**

Name and address of receiving party(ies)

Name: VODAFONE K.K.

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

\_\_\_\_\_

\_\_\_\_\_

Street Address: 2-5-1 Atago, Minato-ku

\_\_\_\_\_

City: Tokyo State: Japan ZIP: \_\_\_\_\_

Name and address of receiving party(ies)

Name: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

Street Address: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Name and address of receiving party(ies)

Name: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

Street Address: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

ASSIGNMENT

WHEREAS, we, Takayuki MATSUI, Toshimasa IKE and Masahiro NOGUCHI residing at c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan, and Fukuzo WATANABE residing at c/o VODAFONE K.K., 2-5-1 Atago, Minato-ku, Tokyo, Japan have invented new and useful improvements in

MEMORY INTERFACE DEVICE, MEMORY INTERFACE METHOD  
AND MODEM DEVICE

for which we have prepared an application for Letters Patent of the United States of America;

AND WHEREAS, Seiko Instruments Inc., located and doing business at 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan, and VODAFONE K.K., located and doing business at 2-5-1 Atago, Minato-ku, Tokyo, Japan are 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. and VODAFONE K.K. 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 NOVEMBER 24, 2006 filed JULY 12, 2006, Serial No. 10/585,751, 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., VODAFONE K.K., their 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.

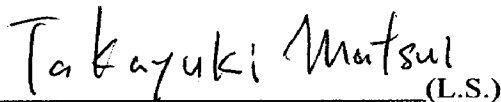
AND, we hereby covenant and agree that we will at any time upon the request and at the expense of said assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and we hereby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

Executed this 24th day of NOVEMBER, 2006 at \_\_\_\_\_

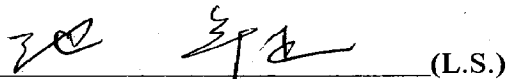
Witness:




Masaki HORI

 (L.S.)

Takayuki MATSUI

 (L.S.)

Toshimasa IKE

 (L.S.)

Masahiro NOGUCHI

 (L.S.)

Fukuzo WATANABE

PATENT