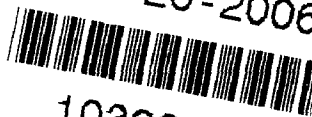


04-20-2006

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



PATENT 103223294

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)

Yoshihiro OBA  
Shinichi BABA

2. Name and address of receiving party(ies)

Name: TOSHIBA AMERICA RESEARCH, INC.

Internal Address:

Street Address: 1 Telcordia Drive

Suite 1A257

City: Piscataway

State: New Jersey

Country: USA Zip: 08854

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

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

Execution Date(s) February 5 & 9, 2004

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

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: Stephen B. Parker

Internal Address: WATCHSTONE P + D

Street Address: 1300 Eye Street, N.W.

400 East Tower

City: Washington

State: DC

Zip: 20005

Phone Number: (202) 659-0100

Fax Number: (202) 659-0105

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

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1048

Expiration Date 04/06

b. Deposit Account Number

Authorized User Name

9. Signature:

Signature

Date

Stephen B. Parker, Reg. No. 36,631

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

**ASSIGNMENT**

WHEREAS, WE, **Yoshihiro Oba**, a citizen of Japan, residing at 4602 Highgrove Avenue, Torrance, California 60505 and **Shinichi Baba**, a citizen of Japan, residing at 453 Santa Louisa, Irvine, California 92606, are the inventors of an invention in **Mobility Architecture Using Pre-Authenticâtion, Pre-Configuration And/Or Virtual Soft-Handoff** for which we executed an application for Letters Patent of the United States filed on January 22, 2004, under Attorney Docket Number 3119-101 and having U.S. Patent Office Serial No. 10/761,243 (the law firm of Rothwell, Figg, Ernst & Manbeck is hereby authorized to fill in the Serial No. after receipt thereof); and

WHEREAS, **Toshiba America Research, Inc.**, incorporated in the state of New Jersey, with a place of business at 1 Telcordia Drive, Suite 1A257, Piscataway, New Jersey 08854 is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;


NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the said Yoshihiro Oba and Shinichi Baba have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Toshiba America Research, Inc., its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Toshiba America Research, Inc., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

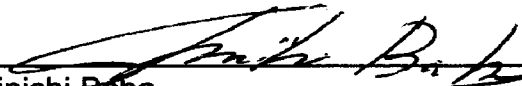
AND WE HEREBY further covenant and agree that we will communicate to said Toshiba America Research, Inc., its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Toshiba America Research, Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Feb 9 2004

  
Yoshihiro Oba

Date Feb 5 2004

  
Shinichi Baba