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APR 26 2006

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



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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):**

Tomohiro TANIGUCHI (1/16/2006) and Naoya SAKURAI (1/16/2006)

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

**2. Name and address of receiving party(ies)**

Name: Nippon Telegraph and Telephone Corporation

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

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

3-1, Otemachi 2-chome,  
Chiyoda-ku

City: Tokyo

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

Country: JAPAN Zip: 100-8116

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

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

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

A. Patent Application No.(s)

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gregory A. Stobbs  
HARNES, DICKEY & PIERCE, P.L.C.

Internal Address: Atty. Dkt.: 6268-000012/US/NP

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**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 \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

*Gregory Stobbs*  
Signature

April 28, 2006

Date

Gregory A. Stobbs - 28,764

Name of Person Signing

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

3

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# ASSIGNMENT

Atty. Docket No. 6268-000012/us/NP

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:  
OPTICAL-WIRELESS FUSION COMMUNICATION SYSTEM AND OPTICAL-WIRELESS  
FUSION COMMUNICATION METHOD

for which Assignor is about to make or has made United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c) ☒ filed on June 24, 2005, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. PCT/JP2005/011594;
- (d) ☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_; and

WHEREAS, NIPPON TELEGRAPH AND TELEPHONE CORPORATION, a Japanese corporation, having a place of business at 3-1, Otemachi 2-Chome, Chiyoda-ku, Tokyo 100-8116 Japan hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes and requests my attorney to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

## ASSIGNMENT

Tomohiro Taniguchi  
First inventor: Tomohiro Taniguchi

January 16, 2006  
Date

Naoya Sakurai  
Second joint inventor, if any  
Naoya Sakurai

January 16, 2006  
Date

Third joint inventor, if any

Date \_\_\_\_\_

Fourth joint inventor, if any

Date \_\_\_\_\_

Fifth joint inventor, if any

Date \_\_\_\_\_

Sixth joint inventor, if any

Date \_\_\_\_\_