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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)**

Shukichi TANAKA

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

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

Name: see attached sheet

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

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

Execution Date(s) 20 August 2009

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
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- Executive Order 9424, Confirmatory License
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**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)

12/527,194

Additional numbers attached?  Yes  No

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

Name: George D. Liu

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

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

Customer No. 38556

City: \_\_\_\_\_

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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 to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

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**9. Signature:**

  
Signature

9 September 2009

Date

George D. Liu (Reg. No. 47,752)

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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OP \$40.00 12527194

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.:12/527,194  
First-Named Inventor : Shukichi TANAKA  
Filed : 14 August 2009  
Title : Vacuum Conveyance System  
Confirmation No. : 2816

Attorney Docket No. 1703.P004US/JC/ad  
Customer No. : 38556

**Continuation of Box 2**

**NAME AND ADDRESS OF RECEIVING PARTY(IES)**

Name : National Institute of Information and Communications  
Technology  
Address : 4-2-1 Nukui-Kitamachi, Koganei-shi,  
Tokyo 1848795, Japan

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**ASSIGNMENT OF INVENTION**

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In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the sufficiency and receipt of which are hereby acknowledged, and for the other good and valuable consideration,

**ASSIGNOR:**

**TANAKA, Shukichi**  
**National Institute of Information and Communications Technology 4-2-1 Nukui-Kitamachi, Koganei-shi, Tokyo 1848795, Japan**

hereby sell, assign and transfer to

**ASSIGNEE:**

**NATIONAL INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY**  
**4-2-1 Nukui-Kitamachi, Koganei-shi, Tokyo 1848795, Japan**

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to all improvements which are disclosed in the invention entitled:

**VACUUM CONVEYANCE SYSTEM**

which has been executed by the undersigned concurrently herewith

which was filed on 14 August 2009 and assigned Serial No. 12/527,194

and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We hereunto set hand and seal

Aug. 20, 2009  
Date

  
TANAKA, Shukichi