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| 1. Name of conveying party(ies) Shukichi TANAKA | 2. Name and address of receiving party(ies) Name: National Institute of Information and Communications Technology Internal Address: | | |
| Additional name(s) of conveying party(ies) attached? Yes X No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) 20 July 2010 | Street Address: 4-2-1 Nukui-Kitamachi, Koganei-shi | | |
| Assignment | City: Tokyo State: Country: Japan Zip: 1848795 | | |
| 4. Application or patent number(s): | Additional name(s) & address(es) attached? Yes X No document is being filed together with a new application. B. Patent No.(s) ached? Yes X No | | |
| 5. Name and address to whom correspondence concerning document should be mailed: 6. Total number of applications and pate involved: 1 | | | |
| Name: George D. Liu Internal Address: | 7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00 Authorized to be charged to deposit account | | |
| Street Address: | Enclosed None required (government interest not affecting title) | | |
| City: State:Zip: | 8. Payment Information | | |
| Phone Number: (703) 536 1713 Fax Number: (65) 67323188 or (703) 4158601 Email Address: jace.cheong@pyprus.com | Deposit Account Number | | |
| 9. Signature: Signature George D. Liu (Reg. No. 47,752) Name of Person Signing | Total number of pages including cover sheet, attachments, and documents: | | |

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT REEL: 024851 FRAME: 0579

ASSIGNMENT OF INVENTION

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

c/o Intellectual Property Management Group, 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:

ION PUMP SYSTEM AND ELECTROMAGNETIC FIELD GENERATOR

| which has been executed by the undersigned concurrently herewith | | |
|--|---|------------|
| X | which was filed on 13 August 2010 and assigned Serial No. | 12/867,492 |

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

Page 1 of 2

Ref 1703P014US

PATENT REEL: 024851 FRAME: 0580 July 20, 2010

Date

RECORDED: 08/17/2010

TANAKA Shukichi

Page 2 of 2

Ref 1703P014US

PATENT REEL: 024851 FRAME: 0581