

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|--|------------------------------------|---------------|------------------------------------|---------------------|--------------------------|------------------------|------------|-----------------|------------|-----------------|------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Risaku TODA</td> <td>07/14/2010</td> </tr> <tr> <td>Michael J. BRONIKOWSKI</td> <td>08/18/2010</td> </tr> <tr> <td>Edward M. LUONG</td> <td>07/22/2010</td> </tr> <tr> <td>Harish MANOHARA</td> <td>07/22/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Risaku TODA | 07/14/2010 | Michael J. BRONIKOWSKI | 08/18/2010 | Edward M. LUONG | 07/22/2010 | Harish MANOHARA | 07/22/2010 | | |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>CALIFORNIA INSTITUTE OF TECHNOLOGY</td> </tr> <tr> <td>Street Address:</td> <td>1200 E. California Blvd.</td> </tr> <tr> <td>Internal Address:</td> <td>M/C 210-85</td> </tr> <tr> <td>City:</td> <td>PASADENA</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>91125</td> </tr> </table> | | Name: | CALIFORNIA INSTITUTE OF TECHNOLOGY | Street Address: | 1200 E. California Blvd. | Internal Address: | M/C 210-85 | City: | PASADENA | State/Country: | CALIFORNIA | Postal Code: | 91125 |
| Name: | CALIFORNIA INSTITUTE OF TECHNOLOGY | | | | | | | | | | | | |
| Street Address: | 1200 E. California Blvd. | | | | | | | | | | | | |
| Internal Address: | M/C 210-85 | | | | | | | | | | | | |
| City: | PASADENA | | | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | | | |
| Postal Code: | 91125 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13919842</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13919842 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 13919842 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: 6267921342 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 626-792-0536 Email: mail@sbpatlaw.com Correspondent Name: Steinfl & Bruno LLP Address Line 1: 155 N. Lake Ave. Ste 700 Address Line 4: Pasadena, CALIFORNIA 91101</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | P574-USC | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Thomas Nguyen | | | | | | | | | | | | |
| Signature: | /Thomas Nguyen, Reg. No. 68,590/ | | | | | | | | | | | | |

OP \$40.00 13919842

Date:

06/17/2013

Total Attachments: 4

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ASSIGNMENT

We, Risaku TODA, residing in the United States of America with a mailing address at c/o California Institute of Technology at 1200 E. California Blvd., Pasadena, CA 91125, Michael J. BRONIKOWSKI, residing in the United States of America with a mailing address at 689 E. Woodbury Rd., Altadena, CA 91001 Edward M. LUONG, residing in the United States of America with a mailing address at c/o California Institute of Technology 1200 E. California Blvd., Pasadena, CA 91125, and Harish MANOHARA, residing in the United States of America with a mailing address at 642 Huntington Drive, Unit 15, Arcadia, CA 91007,

hereby sell and assign for good and valuable consideration, the receipt of which we hereby acknowledge,

to **CALIFORNIA INSTITUTE OF TECHNOLOGY**, an entity having its principal place of business in the United States of America at 1200 E. California Blvd. M/C 210-85, Pasadena, CA 91125,

hereinafter referred to as the assignee, its successors, assigns and nominees, our entire right, title and interest, including all priority rights under U.S. law and/or International conventions and treaties, in and to the **"A CARBON NANOTUBE FIELD EMISSION DEVICE WITH OVERHANGING GATE"**

invented by us, as described and/or claimed in U.S. Provisional Application Nos. **60/936,049**, filed on June 17, 2007, and **61/008,034**, filed on December 18, 2007, in the corresponding U.S. Patent Application No. **12/140,564**, filed on June 17, 2008, and in any other related patent applications filed and/or to be filed not only for, to and in the United States of America its territories and possessions, but also for, to and in all other countries, including any and all divisions, reissues, continuations, continuations-in-part and extensions of said U.S. Patent Application and any and all International patent applications related to said U.S. Provisional Application Nos. **60/936,049** and **61/008,034** and/or U.S. Patent Application No. **12/140,564**, and authorize and request any officials whose duty it is to issue patents, to issue any patent on said **"A CARBON NANOTUBE FIELD**

EMISSION DEVICE WITH OVERHANGING GATE" and/or improvements thereof or resulting therefrom to said assignee or its successors, assigns or nominees, and agree to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part and/or reissue applications, make all rightful oaths and/or declarations and generally do everything possible to aid said assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

Subscribed and executed at Pasadena USA
City Country
 On 7/14/10
Date

Inventor Name: Risaku TODA

Inventor Signature 

Witnessed by:

Witness Name: _____ Signature _____

Witness Name: _____ Signature _____

Subscribed and executed at _____
City Country
 On _____
Date

Inventor Name: Michael J. BRONIKOWSKI

Inventor Signature _____

Witnessed by:

Witness Name: _____ Signature _____

Witness Name: _____ Signature _____

EMISSION DEVICE WITH OVERHANGING GATE" and/or improvements thereof or resulting therefrom to said assignee or its successors, assigns or nominees, and agree to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part and/or reissue applications, make all rightful oaths and/or declarations and generally do everything possible to aid said assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

Subscribed and executed at _____
 City Country

On _____
 Date

Inventor Name: Risaku TODA

Inventor Signature _____

Witnessed by:

Witness Name: _____ Signature _____

Witness Name: _____ Signature _____

Subscribed and executed at Newport Beach, CA, U.S.A.
 City Country

On 8/18/10
 Date

Inventor Name: Michael J. BRONIKOWSKI

Inventor Signature Michael J. Bronikowski

Witnessed by:

Witness Name: Kathy Vancura Signature Kathy Vancura

Witness Name: Stephen McKenna Signature [Signature]

Subscribed and executed at PASADENA USA
City Country
On 7/22/2010
Date

Inventor Name: Edward M. LUONG

Inventor Signature Edward M. Luong

Witnessed by:

Witness Name: _____ Signature _____

Witness Name: _____ Signature _____

Subscribed and executed at PASADENA USA
City Country
On 07/22/2010
Date

Inventor Name: Harish MANOHARA

Inventor Signature Harish

Witnessed by:

Witness Name: _____ Signature _____

Witness Name: _____ Signature _____