

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                           | NEW ASSIGNMENT                             |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------|------------------------------------------|------------------|-------------------|-----------|-------|-----------|----------------|----------|--------------|-------|--|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                      | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                                                       |                                            |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| <table border="1"><tr><th>Name</th><th>Execution Date</th></tr><tr><td>Columbia University New York Morningside</td><td>12/15/2008</td></tr></table>                                                                                                                                                                                       | Name                                       | Execution Date              | Columbia University New York Morningside | 12/15/2008       |                   |           |       |           |                |          |              |       |  |
| Name                                                                                                                                                                                                                                                                                                                                       | Execution Date                             |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| Columbia University New York Morningside                                                                                                                                                                                                                                                                                                   | 12/15/2008                                 |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                       |                                            |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| <table border="1"><tr><td>Name:</td><td>National Science Foundation</td></tr><tr><td>Street Address:</td><td>4201 Wilson Blvd</td></tr><tr><td>Internal Address:</td><td>Room 1265</td></tr><tr><td>City:</td><td>Arlington</td></tr><tr><td>State/Country:</td><td>VIRGINIA</td></tr><tr><td>Postal Code:</td><td>22230</td></tr></table> | Name:                                      | National Science Foundation | Street Address:                          | 4201 Wilson Blvd | Internal Address: | Room 1265 | City: | Arlington | State/Country: | VIRGINIA | Postal Code: | 22230 |  |
| Name:                                                                                                                                                                                                                                                                                                                                      | National Science Foundation                |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
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| City:                                                                                                                                                                                                                                                                                                                                      | Arlington                                  |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| State/Country:                                                                                                                                                                                                                                                                                                                             | VIRGINIA                                   |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| Postal Code:                                                                                                                                                                                                                                                                                                                               | 22230                                      |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                  |                                            |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| <table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Application Number:</td><td>11796499</td></tr></table>                                                                                                                                                                                                             | Property Type                              | Number                      | Application Number:                      | 11796499         |                   |           |       |           |                |          |              |       |  |
| Property Type                                                                                                                                                                                                                                                                                                                              | Number                                     |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| Application Number:                                                                                                                                                                                                                                                                                                                        | 11796499                                   |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                        |                                            |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
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| Correspondent Name: National Science Foundation                                                                                                                                                                                                                                                                                            |                                            |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
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| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                         | Robin Clay Fritsch                         |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |
| Total Attachments: 1<br>source=Conf_lic78525#page1.tif                                                                                                                                                                                                                                                                                     |                                            |                             |                                          |                  |                   |           |       |           |                |          |              |       |  |

500922780

PATENT  
REEL: 023021 FRAME: 0710

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Invention Title: Methods and Apparatuses for Detecting Deviations from Legitimate Operation o M06-101

Inventor(s): Xiaodong Wang, Alberto Lopez

U.S. Filing/Issue Date: 4/26/2007

Patent or Application Serial No.: 11/796,499

Grant/Contract Number(s): 0207550, N00014-03-1-0039

Foreign Applications filed/intended in (countries): \_\_\_\_\_

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

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2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 15th day of December, 20 08.

By \_\_\_\_\_  
(Name of Grantee/Contractor Official)

Scott G. Hamilton  
(Signature)

Title \_\_\_\_\_

For Columbia Univ New York Morningside  
(Grantee/Contractor Organization)

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RECORDED: 07/29/2009

REEL: 023021 FRAME: 0711