504002200 09/13/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4048856

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------|----------------|
| UNIVERSITY OF PENNSYLVANIA | 05/14/2015 |

RECEIVING PARTY DATA

| Name: | National Science Foundation |
|-------------------|-----------------------------|
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| Internal Address: | Room 1265 |
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| State/Country: | VIRGINIA |
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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11084543 |

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PATENT 504002200 REEL: 040013 FRAME: 0717

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|---|
| Invention Title: Scanning probe microscopy apparatus and techniques |
| Inventor(s): Dawn Bonnell, Sergei Kalinin, Rui Shao |
| U.S. Filing/Issue Date: 03/18/2005 |
| Patent or Application Serial No.: 11/084, 543 |
| Grant/Contract Number(s): DE-FG02-00ER45813, DMR9632596 |
| Foreign Applications filed/intended in (countries): |
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