

PATENT ASSIGNMENT

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| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| PENNSYLVANIA STATE UNIVERSITY | 06/24/2010 |
| RECEIVING PARTY DATA | |
| Name: | National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government |
| Street Address: | NIH Division of Extramural Inventions and Technology Resources (DEITR) |
| Internal Address: | 6705 Rockledge Drive, Suite 310, MSC 7980 |
| City: | Bethesda |
| State/Country: | MARYLAND |
| Postal Code: | 20892-7980 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12786021 |
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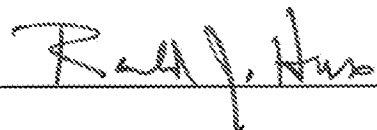
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|---|------------------------------------|--|
| Invention Title: "Methods for Nucleic Acid Manipulation" | | |
| Inventor(s): Stephen Benkovic, Frank Salinas | | |
| Patent Application Serial No.: 12/786,021 | U.S. Filing Date: 5/24/2010 | Foreign Applications Filed/ Intended In (Countries): All |
| Grant No.: GM13306 | | PSU Disclosure No.: 2001-2461 |

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SIGNATURE and TITLE OF ASSIGNEE:

By:  Date: 6/24/10

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