PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| EMORY UNIVERSITY | 02/10/2011 |

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: | 12892379 |

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Total Attachments: 1

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PATENT 503169539 REEL: 034915 FRAME: 0352



License to the United States Government

| Sign and submit the executed document to the appropriate funding agency (e.g. uplose in IEC | (son). |
|--|--|
| Invention Title: Reduced Cyanins Oyes: A New Class of Highly Effect: | ve and Easily Accessible |
| Probes for Intracellular Reactive Oxygen | |
| inventor(s): Niren Murthy, Sarah J Knight, W Robert Taylor, Kousik | Kindu |
| U.S. Filing/Issue Date: 03 30 2009 | |
| Patent or Application Serial No.: 12892, 379 | |
| Grant/Contract Number(s): UO1 BL080711 BESDEL963 | |
| Foreign Applications filed/intended in (countries): | |
| The invention identified above is a Subject invention under 35 U.S.C. 200, et seq., a at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are inc litentified grant or contract award from the United State Government. This docum | luded among the terms of the above |
| The nonexclusive, nontransferable, irrevocable, paid-up license to practice or United States the invention described in any patent application and in any continuations in part, and in any and all patents and re-issues granted ther All other rights acquired by the Government by reason of the above identified gregulations that are applicable to the award. | and all divisions, continuations, and son throughout the world; and |
| The Government is hereby granted an irrevocable power to inspect and make on application. | opies of the above-identified patent |
| signed this 10th day of February 2911 | |
| By | ra |
| Title | |
| | odd Sherer, Ph.D. issociate Vice President for Research breefor, Office of Texture |
| (Grantee/Contractor Organization) | breetes, Office of Technology Transfer |
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| (Suningen Addroom) | |

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