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PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |

CONVEYING PARTY DATA

| Name | Execution Date |
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| MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 01/23/2017 |

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 |
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| State/Country: | MARYLAND |
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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15399172 |

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NAME OF SUBMITTER:DIRECTOR, DEITR, NIHSIGNATURE:/Director, DEITR, NIH/DATE SIGNED:01/25/2017

Total Attachments: 1

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PATENT 504194912 REEL: 041480 FRAME: 0543

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Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison), Invention Title: Method to Distinguish and Analyze White Blood Cells in the Presence of Red Blood Cells Inventor(s): Shivang R. Dave, Jason Michael Tucker-Schwartz U.S. Filing/Issue Date: 01/05/2017 Patent or Application Serial No.: 15/399, 172 Grant/Contract Number(s): U54 BB015403 Foreign Applications filed/intended in (countries): The invention identified above is a Subject Invention under 35 U.S.C. 200, et seg., 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 States Government. This document is confirmatory of: 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and 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. ____day of ____January Signed this _____ By Rolande Johndro
(Institutional Business Official) Patent Compliance Administrator For MASSACHUSETTS INSTITUTE OF TECHNOLOGY (Grantee/Contractor Organization) At 255 Main Street NE18-501 Cambridge, MA 02142 (Business Address)

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