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

| Name | Execution Date |
|-----------------------------------|----------------|
| University of Southern California | 06/08/2009 |

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: | 11415322 | |

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Total Attachments: 1

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PATENT 500884257 REEL: 022816 FRAME: 0709

(USC File No. 2677)

License to the United States Government

Invention Title: Cancer Diagnostic Method Based Upon DNA Methylation Differences

Inventor(s): Peter Jones, Mark Gonzalgo

U.S. Filing/Issue Date: May 1, 2006

Patent or Application Serial No.: 11/415,322

Grant/Contract Number(s): R35 CA049758

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 States Government. This document is confirmatory of:

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| Signed this | Bth | day of | • | June | , 2009 |
|-------------|-----|--------|---|------|--------|
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PATENT
RECORDED: 06/12/2009 REEL: 022816 FRAME: 0710