PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
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| BROWN UNIVERSITY | 11/19/2014 |

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: | 13623668 |

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Total Attachments: 1

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PATENT 503865507 REEL: 038955 FRAME: 0725

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| Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). |
|---|
| Invention Title: 3D Cell Culture System to Uncover a Novel Target Relevant to Fibrosis |
| Inventor(s): Toni-Marie Achilli, Jeffrey Morgan, Jacquelyn Youssef Schell |
| U.S. Filing/Issue Date: 04/02/2012 |
| Patent or Application Serial No.: 13/623, 668 |
| Grant/Contract Number(s): CMMI0825185, DMI0506661, DMR0520651, R01 EB008664 |
| Foreign Applications filed/intended in (countries): |
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| By <u>Margaret (Lucishevich</u> <u>M. Sued</u> ((Institutional Business Official) ((Signature) |
| Title Manager of Operations, TVO |
| For BROWN UNIVERSITY (Grantee/Contractor Organization) |
| At 47 George Street Providence, RT 02912 UNITED STATES |

PATENT REEL: 038955 FRAME: 0726

RECORDED: 06/10/2016

(Business Address)