PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| BOYD M. GOODSON | 03/30/2020 |
| IGOR V. KOPTYUG | 10/03/2020 |
| KIRILL V. KOVTUNOV | 02/27/2020 |
| BRYCE E. KIDD | 04/06/2020 |
| JONATHAN GESIORSKI | 04/09/2020 |
| MAX E. GEMEINHARDT | 04/05/2020 |

RECEIVING PARTY DATA

| Name: | BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY | |
|-----------------|---|--|
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| City: | CARBONDALE | |
| State/Country: | ILLINOIS | |
| Postal Code: | 62901 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16792637 |

CORRESPONDENCE DATA

Fax Number: (314)345-7600

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | SIUC02004.US | |
|-------------------------|----------------|--|
| NAME OF SUBMITTER: | SHARON MYERS | |
| SIGNATURE: | /Sharon Myers/ | |
| DATE SIGNED: | 06/03/2021 | |

Total Attachments: 9

PATENT REEL: 056430 FRAME: 0465

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PATENT REEL: 056430 FRAME: 0466

ASSIGNMENT

WHEREAS, We, Boyd M. Goodson of Carbondale, Illinois, Igor V. Koptyug of Novosibirsk, Siberia, Russia, Kirill V. Kovtunov of Novosibirsk, Siberia, Russia, Bryce E. Kidd of Portland, Oregon, Jonathan Gesiorski of Hickory Hills, Illinois, and Max E. Gemeinhardt of Carbondale, Illinois, have invented an improvement in REMOVAL OF HOMOGENEOUS CATALYSTS FROM NMR/MRI AGENTS HYPERPOLARIZED VIA SABRE OR PHIP (2.4663.1328B; SIUCO2004.US) and have executed an application for a United States patent based thereon assigned Serial No. 16/792,637, filed February 17, 2020;

AND, WHEREAS, Board of Trustees of Southern Illinois
University of Carbondale, Illinois, an institution of higher
education (hereinafter referred to as "ASSIGNEE") is desirous of
acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest, including the right to claim priority, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said

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United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made:

AND We hereby authorize and request the Director of the United States Patent and Trademark Office of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

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AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

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PATENT REEL: 056430 FRAME: 0469 IN WITNESS WHEREOF, we have hereunto set our hands.

3/30/2020

Date

---DocuSigned by:

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10.03 2020
Date
10/3/2020

Ning Koptyug Witness Printed Name

IRINA MIKHATLOUA Witness Printed Name

Date

Kirill V. Kevtunov

Rivill V. Kevtunov

Witness Signature

Witness Printed Name

Page Witness Signature

Witness Signature

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| | DocuSigned by: |
|----------|----------------|
| 4/6/2020 | Brya kidd |
| Date | DLYCE L. NIdd |

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| 4/9/2020 | Jonathan Gesiorski |
|----------|-----------------------|
| Date | 0011aC11a11 Gestotski |

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| | DocuSigned by: |
|----------|---------------------|
| 4/5/2020 | Max E. Gemeinhardt |
| Date | Max E. Gellelinalut |

CNG/slm

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RECORDED: 06/03/2021

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