

PATENT ASSIGNMENT COVER SHEET

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|---|-------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ALAN J. RUSSELL | 04/08/2016 |
| HIRONOBU MURATA | 04/07/2016 |
| CHAD CUMMINGS | 04/07/2016 |
| RICHARD R. KOEPEL | 04/07/2016 |
| RECEIVING PARTY DATA | |
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| State/Country: | PENNSYLVANIA |
| Postal Code: | 15213 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15026093 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 140448PCTUS |
| NAME OF SUBMITTER: | JAIMIE R. ANDERSON |
| SIGNATURE: | /Jaimie R. Anderson/ |
| DATE SIGNED: | 04/20/2016 |
| Total Attachments: 4 | |
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Attorney's Docket No. 140448PCTUS

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
☐ U.S. Provisional Application
For: ☐ U.S. Patent
For: ☐ PCT Application
By: Multiple Inventors

Serial No. 15/026,093

Filing Date: March 30, 2016

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

Alan J. Russell
(type or print name of inventors)

530 Salem Heights
Gibsonia, PA 15044 US
Address Nationality

Hironobu Murata
(type or print name of inventors)

329 Stratford Avenue, Apt.2R
Pittsburgh, PA 15232 JP
Address Nationality

Chad Cummings
(type or print name of inventors)

6204 5th Avenue
Pittsburgh, PA 15232 US
Address Nationality

Richard R. Koepsel
(type or print name of inventors)

3182 Shady Avenue
Pittsburgh, PA 15217 US
Address Nationality

hereby sell, assign and transfer to

ASSIGNEE:

Carnegie Mellon University
(type or print name of ASSIGNEE)

5000 Forbes Avenue
Address

(a Non-Profit Pennsylvania organization)

Pittsburgh, PA 15213

and the successors, assigns and legal representatives of the ASSIGNEE

☒ the entire right, title and interest

☒ and in all foreign countries, including all rights to claim priority both in the United States and in all foreign countries, in and to any and all improvements which are disclosed in the invention entitled:

POLYMER ENGINEERED REGENERATING BIOSCAVENGERS

and which is found in:

(a) ☐ U.S. patent application executed on even date herewith;

(b) ☒ U.S. application no.: 15/026,093 filed on March 30, 2016

(c) ☐ International application no. PCT / _____ / _____
filed on _____

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below.

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

| | |
|---------------------------|-----------------------------|
| <u>Alan J. Russell</u> | <u>04/08/2016</u> |
| | Signature of INVENTOR Date |
| <u>Hironobu Murata</u> | <u> </u> |
| | Signature of INVENTOR Date |
| <u>Chad Cummings</u> | <u> </u> |
| | Signature of INVENTOR Date |
| <u>Richard R. Koepsel</u> | <u> </u> |
| | Signature of INVENTOR Date |

☐ Notarization or Legalization Page Added.

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
☐ U.S. Provisional Application
For: ☐ U.S. Patent
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By: Multiple Inventors

Serial No. 15/026,093Filing Date: March 30, 2016**ASSIGNMENT OF INVENTION**

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and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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Alan J. Russell

Hironobu Murata

Chad Cummings

Richard R. Koepsel

Signature of INVENTOR

Date

[Signature]

4/7/2016

Signature of INVENTOR

Date

[Signature]

4/7/2016

Signature of INVENTOR

Date

[Signature]

4/7/2016

Signature of INVENTOR

Date

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