503658707 01/21/2016 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	ΔΑΤΑ			
		Name	Execution Date	
CHAD A. MIRKIN			11/18/2015	
COLIN M. CALABRES	E		12/15/2015	
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Postal Code:	60208	60208		
Application Number:	1	14786569	-	
Property Type		Number		
Application Number:		4700009		
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PATENT REEL: 037547 FRAME: 0265

<u>ASSIGNMENT</u>

Serial No: 14/786,569 Filing Date: October 23, 2015 Official Filing Date: April 23, 2014 PCT/US2014/035158 Inventors: Chad A. Mirkin; Colin M. Calabrese; William Morris Title of U.S. Patent Application: Metal-Ligand Coordination Polymer Nanoparticles and Methods for Making

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned hereby assigns to Northwestern University, an Illinois not-for-profit corporation, having a place of business at 633 Clark Street, Evanston, Illinois 60208 and its successors and assigns ("Assignee") the entire right, title and interest in and to the inventions of such undersigned disclosed in the application listed above, and in any and all other applications anywhere in the world which the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, in any and all patents which may be obtained on any of said applications and in any and all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates and/or seek other remedies for the past, present and future infringement of any of the foregoing, the right of priority, including without limitation to claim priority benefit of or to said patent applications, and request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of the Assignee.

Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or a joint inventor with another undersigned of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, titles and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, titles and interests herein assigned.

Attorney Docket No. 30938/2013-077R NU Reference No. 2013-077-04

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said inventions, including without limitation for the reissue, reexamination, supplementary protection certificate or extension thereof and any oath, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the best of the ability of the undersigned with and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce and vest in Assignee the rights, titles and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, titles and interests will be held and enjoyed by said Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Undersigned (ASSIGNORS):

S\$.

Inventor Name: Chad A. Mirkin

County of COOK

Us & UMeatly - Seamon

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My Commission Expires: / -2/--

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PATENT REEL: 037547 FRAME: 0267

Filing Date: October 23, 2015 Serial No: 14/786.569 Official Filing Date: April 23, 2014 PCT/US2014/035158 Inventors: Chad A. Mirkin; Colin M. Calabrese; William Morris Title of U.S. Patent Application: Metal-Ligand Coordination Polymer Nanoparticles and Methods for Making

Undersigned (ASSIGNORS) continued:

Co-C: Call 12-15-15

Inventor Name: Colin M. Calabrese

State of <u>THineis</u> County of <u>Cook</u> SS.

On this 157^{-} day of $2ccabbc}$, 2df before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he or she executed said instrument as his or her free and voluntary act and for the uses and purposes therein expressed.

DATE

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INOTARY SEAU

My Commission Expires: <u>6.12.16</u>

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PATENT REEL: 037547 FRAME: 0268

Attorney Docket No. 30938/2013-077R NU Reference No. 2013-077-04

Serial No: 14/786,569 Filing Date: October 23, 2015 Official Filing Date: April 23, 2014 PCT/US2014/035158 Inventors: Chad A. Mirkin; Colin M. Calabrese; William Morris Title of U.S. Patent Application: Metal-Ligand Coordination Polymer Nanoparticles and Methods for Making

Undersigned (ASSIGNORS) continued:

12/11/1S

Inventor Name: William Morris

llingi State of 88.

County of _____

On this <u>1176</u> day of <u>December</u>, <u>2015</u> before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he or she executed said instrument as his or her free and voluntary act and for the uses and purposes therein expressed.

DATE

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NORARY PORESC

My Commission Expires: 10/

PATENT REEL: 037547 FRAME: 0269

20/20/6

Page 4 of 5

Serial No: 14/786,569 Filing Date: October 23, 2015 Official Filing Date: April 23, 2014 PCT/US2014/035158 Inventors: Chad A. Mirkin; Colin M. Calabrese; William Morris Title of U.S. Patent Application: Metal-Ligand Coordination Polymer Nanoparticles and Methods for Making

ASSIGNEE ACCEPTANCE: Northwestern University;

On behalf of Northwestern University, Assignee, the authorized signatory below, hereby confirms Assignee's acceptance of all rights, privileges, titles and interests conveyed by this Assignment.

12/15/2015 Llad Authorized Signature: Date:*š*....

Printed Name

Beverly R. Milligan, Invention Specialist of Nicole A. Janovick, Ph.D., J.D., Intellectual Property Associate

Department: Innovation and New Ventures Office (INVO)

Page 5 of 5