

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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WENBIN LIN	02/07/2014
DEMIN LIU	02/07/2014
JOSEPH DELLA ROCCA	01/24/2014
STEPHANIE KRAMER	01/17/2014
CHRISTOPHER Y. POON	02/07/2014
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Property Type	Number
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ATTORNEY DOCKET NUMBER:	421/287/2 PCT/US CON
NAME OF SUBMITTER:	LISA W. MERRITT
SIGNATURE:	/Lisa W. Merritt/
DATE SIGNED:	06/22/2017

Total Attachments: 4

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PATENT

Attorney Docket No.: 421/287 PCT/US

ASSIGNMENT

WHEREAS, we, Wenbin Lin of Chapel Hill, North Carolina; Demin Liu of Carrboro, North Carolina; Joseph Della Rocca of Chapel Hill, North Carolina; Stephanie A. Kramer of Chapel Hill, North Carolina; and Christopher Y. Poon of Carrboro, North Carolina (hereinafter "Assignors"), have invented certain new and useful improvements in METAL BISPHOSPHONATE NANOPARTICLES FOR ANTI-CANCER THERAPY AND IMAGING AND FOR TREATING BONE DISORDERS (hereinafter "Invention") for which application for a U.S. Patent was made on January 8, 2014 as Serial No. 14/131,575 (hereinafter "Application"), and claims priority to International Application No. PCT/US2012/045954 filed July 9, 2012, which claims priority to U.S. Provisional Patent Application No. 61/505,806 filed July 8, 2011.

AND, WHEREAS, The University of North Carolina at Chapel Hill, a non-profit organization duly organized and existing under the laws of the state of North Carolina, having its principal office and place of business at 308 Bynum Hall, Campus Box 4105, Chapel Hill, NC 27599-4105 (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, their entire right, title and interest in and to the Invention and Application, and in and to any and all foreign patent applications filed on the Invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of the Application in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, the same to be held and

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enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this Assignment.


Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the Invention and Application above-mentioned, and that they have the unencumbered right and authority to make this Assignment.


Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to the Invention, to testify in any interference or legal proceedings involving the Application or Invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the Invention in all countries and to vest in the Assignee complete title to the Invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 7th day of February 2014.


Wenbin Lin

Witnessed by:

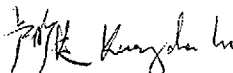
 02/07/2014
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Name Date

Executed this 7th day of February 2014.

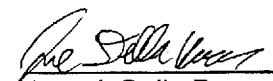

Demin Liu

Witnessed by:

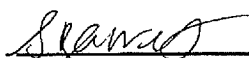
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Name Date

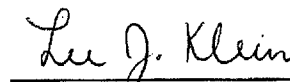
 02/07/2014
Name Date

Executed this 24th day of January 2014.


Joseph Della Rocca

Witnessed by:

 1/24/2014
Name Date

 24 Jan 2014
Name Date

Executed this 17 day of January 2014.

Stephanie A. Kramer
Stephanie A. Kramer

Witnessed by:

[Signature] 17 JAN 2014
Name Date

Laura L. Adduci 1/17/14
Name Date

Executed this 7 day of February 2014.

[Signature]
Christopher Y. Poon

Witnessed by:

[Signature] 02/07/2014
Name Date

[Signature] 02/07/2014
Name Date
