505532655 06/19/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MINMIN ZHANG	06/11/2019
JEREMY MICHAEL RITTENHOUSE	06/11/2019
MICHAEL J. RESSLER	06/11/2019
WILLIAM WALKER CLARK	06/14/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16437289

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NAME OF SUBMITTER:	FREDERICK L. TOLHURST				
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DATE SIGNED:	06/19/2019				

Total Attachments: 3

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> **PATENT REEL: 049516 FRAME: 0808** 505532655

Assignment of Rights of Patent/Invention	Client Docket No.
Joint Inventor	18-002

U.S. Patent Application No.:

Filed: June 11, 2019

Provisional Patent Application No.: 62/683,116

Filed: June 11, 2018

Assignor/Inventor: Minmin Zhang, 2270 Montgomery Road, Franklin Park, PA 15143

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17519

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William Walker Clark, 104 Maplewood Drive, Wexford, PA 15090

Assignee: Diamond Kinetics, Inc., 700 River Avenue, Pittsburgh, PA 15212

Whereas, I/we, the above-identified Inventor(s) have/has invented certain new and useful improvements in: BALL SPIN RATE MEASUREMENT SYSTEM AND METHOD

(hereinafter referred to as "Invention") for which I/we am/are making application(s) for Letters Patent in the United States of America;

And, whereas I/we desire(s) to assign a 100% undivided interest in said Invention, said application(s) disclosing the Invention and any Letters Patent be granted therefor to the above-identified Assignee, and whereas said Assignee is desirous of acquiring the entire right, title and interest in the same;

Now, this indenture witnesseth, that for the sum of One dollar (\$1.00), and other good and valuable consideration, the receipt whereof is hereby acknowledged;

I hereby assign, sell and transfer a 100% undivided interest in said Invention, said application including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all priority rights, convention rights, and other benefits accrue to me/us with respect to the filing of applications for patents or securing of patent in the United States and countries foreign thereto, unto said Assignee;

PATENT REEL: 049516 FRAME: 0809 And I hereby authorize and request the Director of the United States Patent and Trademark Office to issue said United States Letters Patent to said Assignee, and assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary and lawful future documents, including assignments in favor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patents of the United States and countries foreign thereto;

And I further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application patent, and/or, for obtaining any resissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee thereof shall hereafter require and prepare at its own expense.

Executed this	11 +4	day of	June	in the year	2719	
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Signature of As	No. and the second					
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Executed this	day of	June	in the year <u>2019</u>	<u> </u>
Well 6	Clark			
Signature of Assignor/Inver	ntor: William V	Walker Clark		

PATENT REEL: 049516 FRAME: 0811

RECORDED: 06/19/2019