

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHI ZHANG	07/05/2021
WEI LI	07/05/2021
ZHONGLIN WANG	07/05/2021
FENGBEN XI	07/05/2021
YAOKUN PANG	07/05/2021
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16612655
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SIGNATURE:	/Susan E. Freedman/
DATE SIGNED:	08/02/2021
Total Attachments: 6	
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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Chi ZHANG**, having a mailing address of Tower C, Techart Plaza, No. 30 Xueyuan Road, Hai Dian District, Beijing 100083, P.R. China; **Wei LI**, having a mailing address of Tower C, Techart Plaza, No. 30 Xueyuan Road, Hai Dian District, Beijing 100083, P.R. China; **Zhonglin WANG**, having a mailing address of Tower C, Techart Plaza, No. 30 Xueyuan Road, Hai Dian District, Beijing 100083, P.R. China; **Fengben XI**, having a mailing address of Tower C, Techart Plaza, No. 30 Xueyuan Road, Hai Dian District, Beijing 100083, P.R. China; and **Yaokun PANG**, having a mailing address of Tower C, Techart Plaza, No. 30 Xueyuan Road, Hai Dian District, Beijing 100083, P.R. China

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in **POWER MANAGEMENT CIRCUIT AND POWER MANAGEMENT METHOD FOR TRIBOELECTRIC NANOGENERATOR, AND ENERGY SYSTEM**, for which Chinese Patent Application No. **201710340738.6** was filed on **May 12, 2017**; for which PCT International Application No. **PCT/CN2018/086498** was filed on **May 11, 2018**; and for which U.S. Patent Application No. **16/612,655** was filed on **November 11, 2019** in the U.S. Patent and Trademark Office; and

WHEREAS, **Beijing Institute of Nanoenergy and Nanosystems**, having an address of Tower C, Techart Plaza, No. 30 Xueyuan Road, Hai Dian District, Beijing 100083, P.R. China, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, 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 or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the

same 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 if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, and to the extent not already assigned to the assignee, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 5 day of July, 2024.

Chi Zhang (SEAL)
Chi ZHANG

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 5 day of

July, 2021

Wei (SEAL)
Wei LI

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 05 day of

July, 2021

 (SEAL)
Zhonglin WANG

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 5 day of
July, 2021.

Fengben XI (SEAL)
Fengben XI

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 5 day of

July, 2021.

Yaokun PANG. (SEAL)
Yaokun PANG