

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIANWEI MA	04/23/2019
JIAN YU	04/23/2019
ENZE MA	04/23/2019
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16346676
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SIGNATURE:	/vincent k. gustafson/
DATE SIGNED:	05/06/2019
Total Attachments: 3	
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ASSIGNMENT

This Assignment is made by Tianwei Ma being a citizen of China and having a correspondence address of 3483 Keahi Place, Honolulu, Hawaii, 96822, United States of America; Jian Yu being a citizen of China and having a correspondence address of 1420 Ward Avenue, Apt. 2, Honolulu, Hawaii, 96822, United States of America; and Enze Ma being a citizen of the United States and having a correspondence address of P.O. Box 99908, Durham, North Carolina 27708, United States of America;

WITNESSETH: That,

WHEREAS, I believe I am an original joint inventor of an invention described in U.S. Provisional Patent Application No. 62/424,364 filed on November 18, 2016, in International Application No. PCT/US2017/062378 filed on November 17, 2017, and in a corresponding U.S. non-provisional patent application filed or to be filed entitled **APPARATUS AND METHOD FOR HARVESTING AMBIENT ENERGY BY CIRCUIT RECONFIGURATION**, and whereas I authorize representatives of the University of Hawaii (having a principal place of business in Honolulu, Hawaii) and its appointed agents to enter the following information identifying such U.S. non-provisional patent application when known: U.S. Patent Application No. 16/346,676 filed on May 1, 2019 (with the foregoing U.S. provisional, International, and U.S. non-provisional patent applications being collectively referred to as the Applications); and

WHEREAS, University of Hawaii, a university having a principal place of business at Office of Technology Transfer, 2425 Campus Road, Sinclair 10, Honolulu, Hawaii, 96822, United States of America, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in the Applications, and any and all

Letters Patent which shall be granted therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign, transfer and set over unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the Applications and in and to any and all foreign patent applications filed on the invention based on and claiming priority to any one of more applications of the Applications, and in and to any and all Letters Patent of the United States and foreign countries which may hereafter be granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the Assignee, for its interest, and for its own use and behalf, and the use and behalf of its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, and I hereby authorize and empower the Assignee, its successors, assigns or nominees to file applications for any Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such applications and where said applications may be filed by another than the inventor;

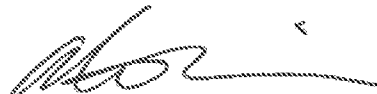
And for the consideration aforesaid, I hereby covenant and agree to and with the Assignee, its successors and assigns, that at the time of the execution and delivery of these presents that I am a lawful owner or joint owner of the entire right, title and interest in and to the invention, the Applications and Letters Patent above-mentioned and that the same are unencumbered, and that I have good right and lawful authority to sell and convey the same in the manner herein set forth;

And for the consideration aforesaid, I hereby covenant and agree to and with the Assignee, its successors and assigns, that I will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue of the same without charge to the Assignee, its successors or assigns, but at its or their expense, and I hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the Assignee, its successors, assignee, or nominee, without charge to the Assignee, its successor, assignee or nominee, but at its or their own expense;


I hereby request the Commissioner for Patents and other applicable patent authorities to issue the Letters Patent in accordance with this instrument;

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

04/23/19
Date


Tianwei Ma

04/23/2019
Date


Jian Yu

4/23/19
Date


Enze Ma