

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
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| SHIHAO ZHUANG | 10/29/2020 |
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| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 17074756 |
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| ATTORNEY DOCKET NUMBER: | P210067US01 |
| NAME OF SUBMITTER: | MEREDITH NORIEGA |
| SIGNATURE: | /MEREDITH NORIEGA/ |
| DATE SIGNED: | 11/02/2020 |
| Total Attachments: 3 | |
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| source=P210067US01 - Assignment - 2020-10-29#page2.tif | |
| source=P210067US01 - Assignment - 2020-10-29#page3.tif | |

ASSIGNMENT
(Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional, utility, or design United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

| Filing Type | Filing Country | Serial Number | Filing Date |
|---|----------------|---------------|------------------|
| A SINGLE-MODE, HIGH-FREQUENCY, HIGH-POWER NARROWBAND SPINTRONIC TERAHERTZ EMITTER | | | |
| PAT | UNITED STATES | 17/074756 | October 20, 2020 |

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional, utility, and design applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P210067US01
Wisconsin Alumni Research Foundation

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P210067US01

App.#: 17/074756, Filed: October 20, 2020

Inventor: _____



Date: _____

10/29/2020

Jiamian Hu

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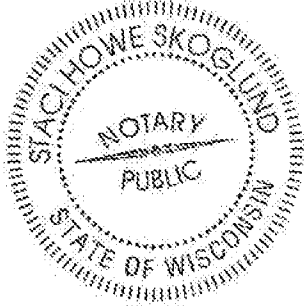
State of Wisconsin)

)ss.

County of Dane)

On this 29th day of October, 2020 before me personally appeared Jiamian Hu, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL



Staci Howe Skoglund
Notary Public

My Commission expires: _____

April 10, 2024

PATENT

REEL: 054239 FRAME: 0717

ASSIGNMENT

Wisconsin Alumni Research Foundation

Ref: P210067US01

App#: 17/074756, Filed: October 20, 2020

Inventor: Shihao Zhuang

Date: 10/29/2020

Shihao Zhuang
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County of Dane)

On this 29th day of October, 2020 before me personally appeared Shihao Zhuang, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.



Staci Howe Skoglund
Notary Public

My Commission expires: April 10, 2024