

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EMILY L. WARREN	01/07/2015
HEATHER A. AUDESIRK	01/07/2015
NATHAN S. LEWIS	01/08/2015
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13972809
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ATTORNEY DOCKET NUMBER:	00016-084001
NAME OF SUBMITTER:	JOSEPH R. BAKER, JR.
SIGNATURE:	/Joseph R. Baker, Jr./
DATE SIGNED:	01/16/2015
Total Attachments: 2	
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ASSIGNMENT

THIS ASSIGNMENT, by Emily L. Warren, with a mailing address of ~~c/o California Institute of Technology, 1200 East California Boulevard, MC 240-41, Pasadena, California 91125,~~ United States of America; Heather A. Audesirk, residing at 136 S. Virgil Ave., #141, Los Angeles, California 91125, United States of America; and Nathan S. Lewis, residing at 4808 Gould Avenue, La Canada Flintridge, California 91011, United States of America; (hereinafter referred to as "the Assignors"), respectively, witnesseth:

780 ELLIS STREET
GOLDEN, CO 80401

WHEREAS, the Assignors have invented certain new and useful improvements in
SEMICONDUCTIVE MICRO- AND NANO-WIRE ARRAY MANUFACTURING
set forth in an application for Letters Patent of the United States, which is a

- (1) provisional application
 - (a) bearing Application No. _____, and filed on _____;
 - (b) to be filed herewith; or
- (2) non-provisional application
 - (a) bearing Application No. 13/972,809, and filed on August 21, 2013;
 - (b) having an oath or declaration executed on even date herewith prior to filing of application;
 - (c) having an oath or declaration executed on a different date than this Assignment; and

Whereas, The California Institute of Technology, a corporation having a principal place of business at 1200 East California Blvd., MC 6-32, Pasadena, California 91125, United States of America (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefore and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Gavrilovich, Dodd & Lindsey LLP to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

DATE 1/7/2015



Emily L. Warren

DATE 01/07/2015



Heather A. Audestirk

DATE 1/8/15



Nathan S. Lewis