

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AXEL SCHERER	08/31/2017
WILLIAM M. JONES	04/07/2017
DANIL M. LUKIN	05/13/2017
SAMEER WALAVALKAR	08/30/2017
CHIEH-FENG CHANG	03/07/2017
RECEIVING PARTY DATA	
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State/Country:	CALIFORNIA
Postal Code:	91125
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15987645
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ATTORNEY DOCKET NUMBER:	3105-002US2
NAME OF SUBMITTER:	IRENE CHRISTINE
SIGNATURE:	/Irene Christine/
DATE SIGNED:	05/23/2018

Total Attachments: 8

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IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE
Assignment and Agreement

For value received, I/We, **Axel SCHERER**, of Barnard, Vermont, United States, **William M. JONES** of Pasadena, CA, United States, **Danil M. LUKIN** of Pasadena, CA, United States, **Sameer WALAVALKAR** of Studio City, California, United States, **Chieh-feng CHANG** of Pasadena, California, United States, hereby sell, assign and transfer to **California Institute of Technology**, having an office at Office of Technology Transfer and Corporate Partnerships, 1200 E. California Blvd, MC 6-32, Pasadena, California, 91125, United States, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to all of the inventions disclosed and claimed in United States Patent Application Serial No. **15/442408**, filed on **February 24, 2017**, entitled **Nanoscale Field-Emission Device and Method of Fabrication**, which claims priority to **US Patent Application No. 62/299974**, filed on **February 25, 2016**, and **US Patent Application No. 62/437806**, filed on **December 22, 2016**, and all the rights and privileges in said applications and under any and all Letters Patent that may be granted in the United States for said inventions. I/We also concurrently hereby sell, assign and transfer to California Institute of Technology the entire right, title and interest in and to any and all divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications claiming the benefit of said application and any and all Letters Patent that may issue therefrom.

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I/We authorize California Institute of Technology to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I/We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document, which may be required in any country in proof of the right of California Institute of Technology to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I/We request that any and all patents for said inventions be issued to California Institute of Technology in the United States and in all countries foreign to the United States, or to such nominees as California Institute of Technology may designate.

I agree that, when requested, I shall, without charge to California Institute of Technology but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Axel SCHERER and Date

William M. JONES and Date

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Axel SCHERER and Date

 4/7/17

William M. JONES and Date

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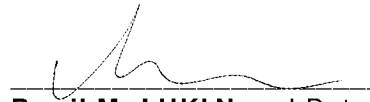
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Axel SCHERER and Date

William M. JONES and Date



May 13, 2017

Danil M. LUKIN and Date

Sameer WALAVALKAR and Date

Chieh-feng CHANG and Date

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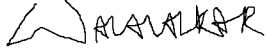
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William M. JONES and Date

Danil M. LUKIN and Date



08/30/2017

Sameer WALAVALKAR and Date

Chieh-feng CHANG and Date

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William M. JONES and Date

Danil M. LUKIN and Date

Sameer WALAVALKAR and Date

Chieh-feng Chang Mar 10/2017

Chieh-feng CHANG and Date