506124189 06/25/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6170914

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	LICENSE

#### **CONVEYING PARTY DATA**

Name	Execution Date
SPARK THERMIONICS, INC.	01/24/2020

## **RECEIVING PARTY DATA**

Name:	US GOVERNMENT AS REPRESENTED BY THE SECRETARY OF THE ARMY
Street Address:	15 GENERAL GREENE AVE
City:	NATICK
State/Country:	MASSACHUSETTS
Postal Code:	01760

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16715705

### **CORRESPONDENCE DATA**

**Fax Number:** (508)206-3708

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: NATICK, MASSACHUSETTS 01760

ATTORNEY DOCKET NUMBER:	NA-1550
NAME OF SUBMITTER:	ALYSIA MARCHAND
SIGNATURE:	/Alysia Marchand/
DATE SIGNED:	06/25/2020

**Total Attachments: 1** 

source=NA-1550 Confirmatory Instrument for DARPA 1 Spark Thermionics#page1.tif

PATENT 506124189 REEL: 053034 FRAME: 0463

### LICENSE TO THE UNITED STATES GOVERNMENT

This instrument confirms to the United States Government, as represented by the DARPA, an irrevocable, nonexclusive, nontransferable, royalty-free license to practice or have practiced on its behalf throughout the world the following subject invention: System and Method for Work Function Reduction and Thermionic Energy Conversion

Inventors: Jared William Schwede and Lucas Heinrich Hess

Patent number:	62/500,300	Filing Date:	05/02/2017
	62/595,003	-	12/05/2017
	15/969,027		05/02/2018
	16/218,032		12/12/2018
	16/715,705		12/16/2019

This subject invention was made with DARPA support through:

Contract number: W911NF17P0034 Awarded to Sparks Thermionics, Inc.

Principal rights to this subject invention have been left with the licensor.

Signed:

Name: Jared Schwede

Title: CEO

WS CH

Date: 2020-01-24

RECORDED: 06/25/2020

Accepted on behalf of the Government:

PATENT REEL: 053034 FRAME: 0464