

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6963081

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROSS S. FONTENOT	03/23/2021
JOHN H. BARKYOUUMB	03/22/2021
VEERENDRA K. MATHUR	04/15/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE NAVY
<b>Street Address:</b>	875 NORTH RANDOLPH STREET, CODE BDCC
<b>Internal Address:</b>	OFFICE OF NAVAL RESEARCH, ONE LIBERTY CENTER
<b>City:</b>	ARLINGTON
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	22203-1995
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16578136
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	(301) 227-1836
<b>Email:</b>	howard.kaiser@navy.mil
<b>Correspondent Name:</b>	HOWARD KAISER, OFFICE OF PATENT COUNSEL, CODE 00L
<b>Address Line 1:</b>	9500 MACARTHUR BOULEVARD
<b>Address Line 2:</b>	NAVAL SURFACE WARFARE CENTER, CARDEROCK DIVISION
<b>Address Line 4:</b>	WEST BETHESDA, MARYLAND 20817-5700
<b>ATTORNEY DOCKET NUMBER:</b>	NAVY CASE NUMBER 108,765
<b>NAME OF SUBMITTER:</b>	HOWARD KAISER
<b>SIGNATURE:</b>	/Howard Kaiser/
<b>DATE SIGNED:</b>	10/12/2021
<b>Total Attachments: 3</b>	
source=16578136_108765_Fontenot_et_al_assignment_Fontenot#page1.tif	

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source=16578136\_108765\_Fontenot\_et\_al\_assignment\_Mathur#page1.tif

# ASSIGNMENT (Contractor Invention)

## 1. TITLE

AUTOMATED NONCONTACT METHOD TO DISCRIMINATE WHETHER COOLING OR HEATING IS OCCURRING

## 2. INVENTOR(S) (Names)

Ross S. Fontenot,  
John H. Barkyoumb, and  
Vecrendra K. Mathur

## 3. CONTRACTOR

Ross S. Fontenot (as subcontractor to ASEE, pursuant to Navy contract with ASEE in support of the Postdoctoral Fellowship Program)

## 4. CONTRACT NO.

## 5. GOVERNMENT AGENCY

United States Department of the Navy

## 6. CONTRACTOR INVENTION DOCKET NO.

## 7. AGENCY DOCKET NO.

Navy Case Number 108,765

## 8. DATE EXECUTED

## 9. SERIAL NO.

U.S. patent application 16/578,136

## 10. FILING DATE

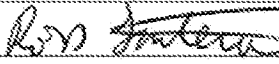
20 September 2019

The undersigned Inventor(s), pursuant to the obligation of employee(s) of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government under the above contract, hereby assigns (assign) to the United States of America as represented by the Secretary of the Navy, subject to a revocable, nonexclusive, royalty-free license which is hereby reserved to the Contractor, all right, title and interest in and to each invention disclosed and claimed in the above U.S. patent application.

The license reserved to the Contractor extends to all domestic subsidiaries and affiliates, if any, within the corporate structure of which the Contractor is a part and includes the right to grant sublicenses of the same scope to the extent the Contractor was legally obligated to do so at the time the contract was awarded. The license is transferable only with the approval of the Navy except when transferred to the successor of that part of the Contractor's business to which such invention pertains.

The Inventor(s) further agrees (agree) to assist the Contractor, and the Government, upon request, by furnishing any available information and documents, and by performing all acts and doing all things which may be reasonably necessary to obtain a patent on the invention(s).

The Contractor joins in and agrees to the foregoing assignment and, except for the above reservation of a license, relinquishes and assigns all right, title and interest in and to such invention(s), and further agrees to furnish to the United States of America, upon request, any available information and documents necessary for the prosecution of the above-identified application for patent (including prosecution and settlement of interferences), and any other patent application on the invention(s).

X <u>3/23/2021</u>	ROSS S. FONTENOT X	<u></u>	(Seal)
DATE		INVENTOR	
-			
DATE		INVENTOR	(Seal)
-			
DATE		INVENTOR	(Seal)

SIGNED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_\_\_

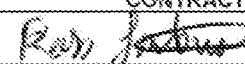
ATTEST:

ROSS S. FONTENOT

CONTRACTOR

(Seal)

BY X



DATE X

3/23/2021

**ASSIGNMENT OF INVENTION**

WHEREAS I (we), **John H. Barkyoumb** of Kensington, Maryland and **Veerendra K. Mathur** of Beltsville, Maryland, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made, together with **Ross S. Fontenot**, an invention entitled **AUTOMATED NONCONTACT METHOD TO DISCRIMINATE WHETHER COOLING OR HEATING IS OCCURRING**, identified as **Navy Case Number 108,765** and described in application for Letters Patent of the United States of America serial number 16/578,136, filed on 20 September 2019;

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest therein, including foreign rights;

WHEREAS, the Government desires to obtain the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, the Government desires an option to obtain the foreign rights in and to the invention;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I (we) hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title, and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this assignment not been made.

I (We) do hereby also grant to the Government, the option to take the entire right, title, and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to me (us) within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to me (us) subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I (We) hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements or other instruments that may be necessary in the prosecution of the application and any continuation, division, or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, I (we) have set my (our) hand(s) and affixed my (our) seal(s).

X 22 March 2021  
Date

BARKYOUUMB.JOH  
N.H.1228517492  
JOHN H. BARKYOUMB  
Seal

X  
Date

X  
VEERENDRA K. MATHUR  
Seal

Invention: AUTOMATED NONCONTACT METHOD TO DISCRIMINATE WHETHER COOLING OR HEATING IS OCCURRING

Inventors: Ross S. Fontenot, John H. Barkyoumb, and Veerendra K. Mathur

**ASSIGNMENT OF INVENTION**

WHEREAS I (we), John H. Barkyoumb of Kensington, Maryland and Veerendra K. Mathur of Beltsville, Maryland, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made, together with Ross S. Fontenot, an invention entitled **AUTOMATED NONCONTACT METHOD TO DISCRIMINATE WHETHER COOLING OR HEATING IS OCCURRING**, identified as Navy Case Number 108,765 and described in application for Letters Patent of the United States of America serial number 16/578,136, filed on 20 September 2019;

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest therein, including foreign rights;

WHEREAS, the Government desires to obtain the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, the Government desires an option to obtain the foreign rights in and to the invention;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I (we) hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title, and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this assignment not been made.

I (We) do hereby also grant to the Government, the option to take the entire right, title, and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to me (us) within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to me (us) subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I (We) hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements or other instruments that may be necessary in the prosecution of the application and any continuation, division, or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, I (we) have set my (our) hand(s) and affixed my (our) seal(s).

X \_\_\_\_\_  
Date

X Apr 15, 2021  
Date

X \_\_\_\_\_ Seal  
JOHN H. BARKYOUMB

X Vk Mathur Seal  
VEERENDRA K. MATHUR