## 506870165 09/15/2021

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6916986

SUBMISSION TYPE:		NE	W ASSIGNMENT			
NATURE OF CONVEYAN	NCE:	AS	ASSIGNMENT			
CONVEYING PARTY DA	ATA					
			Name			Execution Da
CHARLES NGUYEN						08/19/2021
SCOTT ZIV						08/19/2021
RECEIVING PARTY DA	ТА					
Name:			ENT OF THE UN BY THE SECRE			
Street Address:	875 N. F	RANDOL	PH STREET			
Internal Address:	SUITE 1425					
City:	ARLING	ARLINGTON				
State/Country:	VIRGINIA					
Postal Code:	22203					
Property Type			Number			
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## ASSIGNMENT OF INVENTION

WHEREAS I (we), <u>Charles Nguyen of Rockville</u>, <u>Maryland</u>, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "<u>System for In-Situ</u> <u>Monitoring for Additive Manufacturing Using Ultrasonic</u>" identified as Navy Case No. <u>112.522</u> and described in application for Letters Patent of the United States of America as executed by me, and filed on July 30, 2021; and

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; and

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 have set my hand and affixed my seal.

08-19-21

Date

Charles Nguyen Seal

PATENT REEL: 057485 FRAME: 0044

Page 1 of 1

## ASSIGNMENT OF INVENTION

WHEREAS I (we), <u>Scott Ziv of Gaithersburg</u>, <u>Maryland</u>, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "<u>System for In-Situ Monitoring</u> <u>for Additive Manufacturing Using Ultrasonic</u>" identified as Navy Case No. <u>112,522</u> and described in application for Letters Patent of the United States of America as executed by me, and filed on <u>July 30, 2021</u>; and

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; and

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.

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IN TESTIMONY WHEREOF, I have set my hand and affixed my seal.

8/19/2021

ScottZV

Scott Ziv

Seal

Page 1 of 1

PATENT REEL: 057485 FRAME: 0045

**RECORDED: 09/15/2021**