

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7599007

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SOUTHERN RESEARCH INSTITUTE	05/23/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KRATOS SRE, INC.
<b>Street Address:</b>	10680 TREENA STREET
<b>Internal Address:</b>	SUITE 600
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15584424
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(678)420-9301
<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>	678-420-9300
<b>Email:</b>	higginsw@ballardspahr.com
<b>Correspondent Name:</b>	BALLARD SPAHR LLP
<b>Address Line 1:</b>	999 PEACHTREE STREET NE
<b>Address Line 2:</b>	SUITE 1600
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	38228.0095U2
<b>NAME OF SUBMITTER:</b>	CHARLEY F. BROWN
<b>SIGNATURE:</b>	/Charley F. Brown #52,658/
<b>DATE SIGNED:</b>	10/19/2022
<b>Total Attachments: 7</b>	
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## IP ASSIGNMENT

This IP ASSIGNMENT (this "Agreement"), dated as of May 23, 2022 (the "Effective Date"), is made by and between Southern Research Institute, an Alabama non-profit corporation (the "Assignor") and Kratos SRE, Inc., a Delaware corporation (the "Assignee") (each of Assignor and Assignee, a "Party," and, collectively, the "Parties").

WHEREAS, reference is made to the Asset Purchase Agreement, dated as of March 9, 2022, by and among Assignor, Assignee and Kratos Defense & Security Solutions, Inc., a Delaware corporation (the "Asset Purchase Agreement"), wherein Assignee agreed to purchase certain assets of Assignor; and

WHEREAS, pursuant to the Asset Purchase Agreement, Assignor has agreed to assign to Assignee, and Assignee has agreed to acquire from Assignor, all of the Assignor's right, title, and interest in and to all Transferred Intellectual Property (as defined in the Asset Purchase Agreement), including the applications and registrations set forth on Schedules A-1 through A-3 attached hereto ("Scheduled IP").

NOW, THEREFORE, in consideration of the premises and the mutual agreements and covenants set forth in this Agreement and in the Asset Purchase Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, the Parties hereby agree as follows:

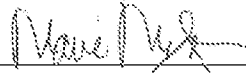
1. Definitions. Capitalized terms used but not defined in this Agreement have the meanings ascribed to them in the Asset Purchase Agreement.
2. Assignment. Assignor hereby sells, transfers, assigns, conveys, and delivers to Assignee, and Assignee hereby accepts the sale, transfer, assignment, conveyance, and delivery of, all of Assignor's rights, title and interest in and to the Transferred Intellectual Property, including the Scheduled IP, together with all applications and registrations anywhere in the world claiming priority to or from such Scheduled IP and any and all extensions, restoration and/or renewals thereof, all past, present and future claims, and causes of action and the right to sue for and collect any resulting recovery of damages. Assignor hereby authorizes and requests the relevant authority at the United States Patent and Trademark Office, United States Copyright Office, or any foreign equivalent thereto to record and register this Agreement.
3. Further Assurances. Assignor further agrees that it shall on the date hereof and from time to time thereafter, at the written request of Assignee, perform or cause to be performed such acts and execute, acknowledge and deliver at the request of Assignee, such documents as may reasonably be required to evidence or effectuate the sale, conveyance, assignment, transfer and delivery to Assignee of the Assigned Patents or for the performance by Assignor of any of its obligations hereunder
4. Governing Law. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF DELAWARE WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAW.
5. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, and all of which shall constitute one and the same Agreement.

IN WITNESS WHEREOF, Assignor and Assignee each has caused this instrument to be executed by its respective duly authorized representative as of the Effective Date.

**SOUTHERN RESEARCH INSTITUTE**

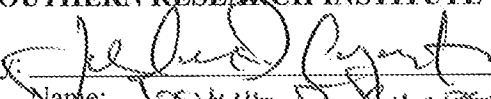
By: \_\_\_\_\_  
Name:  
Title:

**KRATOS SRE, INC.**

By:  \_\_\_\_\_  
Name: Marie Mendoza  
Title: Secretary

IN WITNESS WHEREOF, Assignor and Assignee each has caused this instrument to be executed by its respective duly authorized representative as of the Effective Date.

**SOUTHERN RESEARCH INSTITUTE**

By:   
Name: JOSHUA D. CARPENTER  
Title: PRESIDENT & CEO

**KRATOS SRE, INC.**

By: \_\_\_\_\_  
Name:  
Title:

**SCHEDULE A-1  
PATENTS**

**PATENTS:**

TITLE	JURISDICTION	PATENT NUMBER	ISSUE DATE
Automatic Conformal Window Sizing In a Video Imaging System	U.S.	6,911,998	June 28, 2005
Porous Materials and Methods Related Thereto	U.S.	10,450,399	October 22, 2019
Imaging Apparatus and Methods	U.S.	10,379,333	August 13, 2019
Ultrasonic Inspection System Employing Spectral and Time Domain Processing of Ultrasonic Signal	U.S.	10,605,789	March 31, 2020
Multi-pass Optical System to Improve Resolution of Interferometers	U.S.	10,041,781	August 7, 2018
Determining Angular Position from Index of Refraction Offset	U.S.	10,126,120	November 13, 2018
Force Profile Control for the Application of Horizontal Resistive Force on a Treadmill	U.S.	10,987,544	April 27, 2021
Porous Materials and Methods Related Thereto	U.S.	11,220,569	January 11, 2022
Physically Unclonable Functions Using Pulse Width Chaotic Maps	U.S.	11,265,178	March 1, 2022

**PATENT APPLICATIONS:**

TITLE	JURISDICTION	APPLICATION NUMBER	FILE DATE
Contactless Vital Sign Monitoring of Multiple Subjects in Real Time	U.S. PROV/ PCT	63/005,807/ PCT/US2021/025892	2020-04-06/ 2021-04-06
Clockless Time-to-Digital Convertor	U.S. PROV/ PCT/ U.S./ U.S. CON	62/682,694/ PCT/US2019/036372/ 16/972,915	2018-06-08 2019-06-10 2019-06-10 Not yet filed.
Clockless Programmable Pulse Width Generation Using and Inverse Chaotic Map	U.S. PROV/ PCT/ U.S./ U.S. CON	62/682,699/ PCT/US19/036371/ 16/972,921/ 17/742,112	2018-06-08 2019-06-10 2019-06-10 2022-05-11
Physically Unclonable Functions Using Pulse Width Chaotic Maps	U.S. PROV/ U.S. CON	62/682,704/ 17/572,153	2018-06-08 2019-01-10
Monitoring of Additive Manufacturing (AM) Layer by Layer Build Using Ultrasonic Spectroscopy (UltraSpec)	U.S.	16/381,404	2019-04-11

Target Ranging With Subsampled Noise Correlation	U.S. PROV / U.S. / PCT-FF	63/028,389/ 17/327,403	2020-05-21 2021-05-21 Not yet filed
Imaging Apparatus and Methods	EP / JP / PCT	17825077.5/ 2019500584/ PCT/US/2017/041390	2017-07-10 2017-07-10 2017-07-10
Ultrasonic Inspection System Employing Spectral and Time Domain Processing of Ultrasonic Signal	CA / EP / JP / PCT / U.S.	3051591/ 18757623.6/ 2019546138/ PCT/US2018/018994/ 16/796,351	2018-02-21 2018-02-21 2018-02-21 2018-02-21 2020-02-20

**SCHEDULE A-2  
TRADEMARKS**

<b>TRADEMARK</b>	<b>REGISTRATION/ SERIAL NUMBER</b>
UltraSpec	2483790
UltraSpec and Design	2521182
HORUS	88067054



**SCHEDULE A-3**  
**DOMAIN NAMES/SOCIAL MEDIA**

- HORUStech.org
- HORUSSensor.net
- HORUSSensor.org
- HORUSSensor.com
- <https://www.facebook.com/HORUSSensor>
- <https://twitter.com/HORUSSensor>
- <https://linkedin.com/company/horus-sensor>