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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JOHN WALTER RALLS	05/23/2019
DANIEL JOHN HEBERT	05/23/2019
KYLE A. WADE	05/23/2019

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16991432	

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NAME OF SUBMITTER:	DAVID E. BAKER	
SIGNATURE:	/David E. Baker/	
DATE SIGNED:	08/12/2020	

Total Attachments: 4

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> **PATENT REEL: 053472 FRAME: 0283** 506200113

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PATENT REEL: 053472 FRAME: 0284

Patent Assignment

This United States Patent Assignment ("Assignment") is made by John Walter Ralls, with an address of 107 Kiskiac Turn, Yorktown, VA 23693, Daniel John Hebert, with an address of 109 Tyler Court, Carrollton, VA 23314, and Kyle A. Wade, with an address of 887 Poquoson Avenue, Poquoson, VA 23662 (collectively, the "Assignors").

Recitals:

Whereas, Assignors are inventors of the subject matter disclosed and claimed in a U.S. Patent Application entitled

SYSTEM AND METHOD FOR ULTRASONIC ADDITIVE MANUFACTURING

(the "PATENT APPLICATION") to be filed under the Attorney Docket Number listed above, claiming priority to U.S. Provisional Application No. 62/683,793, filed June 12, 2018.

Whereas, Assignors each own a right, title and interest in and to the PATENT APPLICATION and the inventions therein disclosed (collectively, the "PATENT APPLICATION AND INVENTIONS"), and have the unrestricted right to sell, assign and transfer such PATENT APPLICATION AND INVENTIONS; and

Whereas, **Huntington Ingalls Incorporated**, a corporation organized under the laws of Virginia and having a place of business at 4101 Washington Avenue, Newport News, Virginia 23607 (the "Assignee"), desires to acquire the entire right, title and interest in and to the PATENT APPLICATION AND INVENTIONS.

Assignment.

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and hereby sell, assign, transfer and convey unto Assignee, its successors and assigns the Assignors' entire right, title and interest in and to the PATENT APPLICATION AND INVENTIONS and in and to any and all applications based thereon, all continuations, continuations-in-part, continuing prosecution applications, or divisions thereof, and all letters patent of the United States of America and all countries foreign thereto and reissues and extensions thereof which may be granted from the PATENT APPLICATION AND INVENTIONS, for the full term of said letters patent, together with the right to claim the priority of any patent application included therein, to be held and enjoyed by the Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment and sale had not been made.

Assignors covenant and agree, on their own behalf and on behalf of their successors and assigns, without further compensation, to promptly at any time upon the request of the Assignee,

PATENT REEL: 053472 FRAME: 0285 its successors and assigns, provide such further information and execute such further assignments and documents and do all lawful acts with respect to the PATENT APPLICATION AND INVENTIONS that may be necessary or desirable to perfect title in the Assignee, their successors or assigns, and to assist in obtaining patents relating to the PATENT APPLICATION AND INVENTIONS, or in any interference proceedings or for any divisions, continuations or continuation-in-part patent applications relating to the PATENT APPLICATION AND INVENTIONS.

Assignors warrant and represent to Assignee that Assignors have full and unencumbered legal and equitable title to the PATENT APPLICATION AND INVENTIONS and have not granted any rights in the PATENT APPLICATION AND INVENTIONS to any other person, firm, corporation or entity.

The following signatures are made as of the date set forth.

Assigno	1	Vela	RU	
John W	/alte	r Ralls		
Detai	51	123 / 2	o 19	

Assignor:

Daniel John Hebert

Date: 5/23/19

Assignor:

Kyle A. Wade

Date: 5/25/2019