## 506175014 07/28/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6221752

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NANCI HARDWICK	03/05/2018
WAYNE HUBBARD	03/01/2018
CHASE COX	03/08/2018
NATHANIEL VARANO	03/24/2018
ANITA T. BROACH	03/01/2018

#### **RECEIVING PARTY DATA**

Name:	AEROPROBE CORPORATION
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City:	CHRISTIANSBURG
State/Country:	VIRGINIA
Postal Code:	24073

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16760829

### **CORRESPONDENCE DATA**

Fax Number:

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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**Email:** michele.mayberry@nrviplaw.com **Correspondent Name:** NEW RIVER VALLEY IP LAW, P.C.

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ATTORNEY DOCKET NUMBER:	MELD-30-US
NAME OF SUBMITTER:	ASHLEY M. GATES
SIGNATURE:	/Ashley M. Gates/
DATE SIGNED:	07/28/2020

**Total Attachments: 4** 

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> PATENT REEL: 053328 FRAME: 0906

Attorney Docket No.: AERO-30-PRO

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#### WORLDWIDE ASSIGNMENT

WHEREAS, I, a below named inventor, (hereinafter Assignor), have made invention(s) described in the following patent application(s):

# ADDITIVE FRICTION STIR MANUFACTURING SYSTEM AND MATERIAL COMPOSITIONS, COMPOSITES AND STRUCTURES

for which U.S. Provisional Application No. 62/579.483 was filed	on Oct. 31, 2017, and for
which later filed applications PCT/US18/58470 (AERO-30-PCT)	filed on Oct. 21, 2018
16/760,829 (MELD-30-US) filed on April 30, 2020	
was/were filed on	, respectively
(I hereby authorize the application numbers and filing dates to be	

WHEREAS, AEROPROBE CORPORATION, a corporation of the Commonwealth of Virginia, with an address at 200 Technology Drive, Christiansburg, VA 24073 USA (hereinafter Assignee), is desirous of securing the entire right, title, and interest in and to these inventions in all countries throughout the world, and in and to these patent applications and all national patent applications based on them or claiming benefit of priority to them throughout the world, and any Letters Patent to be issued upon all applications based on these applications or applications claiming benefit of priority to them throughout the world;

NOW THEREFORE, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged. I as Assignor hereby sell, assign, transfer, and set over unto Assignee, its lawful successors and assigns, the entire worldwide right, title, and interest in and to, including the right to sue for past infringement, the above-referenced inventions, in and to the above-referenced applications, in and to any continuation, division, continuation-in-part, reexamination, reissue, renewal, substitute, or extension thereof or any legal equivalent thereof, and in and to all Letters Patents of all countries throughout the world that might be granted thereon, including the right to claim priority to the above-referenced applications and the right to be granted a patent in any country throughout the world and in all PCT Contracting States, and I hereby authorize and request all officials of all foreign countries whose duty it is to issue patents on applications as described above, to issue all Letters Patent for these inventions to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting these inventions and applications, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that might be necessary or desirable to perfect the title to these inventions and applications in Assignee, its successors and assigns, execute all continuation, division, continuation-in-part, reexamination, reissue, renewal, substitute, or extension applications, make all rightful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for these inventions and applications in all countries, it being

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understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors, and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand:

Date: <u>3-5-2018</u>	Ву:	Mari Hardle
		Inventor: Nanci Hardwick
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		Inventor: Wayne Hubbard
County of State of	)	
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	<u></u>	Notary Public My Commission Expires:
Date:	By:	
		Inventor: Chase Cox
en en en en en en en en		
County of State of	) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
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Attorney Docket No.: AERO-30-PRO

Page 2 of 3

enforce proper patent protection for these inventions and applications in all countries, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors, and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand:

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		Inventor: Nanci Hardwick
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		MY COMMISSION EXPIRES 08-30-2018

Attorney Docket No.: AERO-30-PRO Page 3 of 3

Date: 03/24/20/8 By: Lall Manuel Varano
County of Manager State of Virginia State of Virginia Subscribed/sworn to before me on <u>88/34/2018</u> ROBEL KASSAHUN NOTARY PUBLIC 7701323 COMMONWEALTH OF VIRGINIA  MY COMMISSION EXPIRES MAY S1, 2020
Date: 3 1 2018  By: A. Tray works - Broach Inventor: Anita T. Broach
County of Workgorway State of Workgorway Notary Public My Commission Expires 31, 232
Date: 3-5-2018  By:
County of Management ) ss. State of Management of State o

**PATENT** 

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