#### 505644197 08/28/2019

# PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5691003

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOM SERRES	08/12/2019
BETTINA WARBURG	08/09/2019
CHARLES L HAMMEL IV	08/13/2019

#### **RECEIVING PARTY DATA**

Name:	PITT OHIO EXPRESS LLC
Street Address:	15 27TH STREET
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15222

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16428886

#### **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.

6175773963 Phone:

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CALDWELL INTELLECTUAL PROPERTY LAW **Correspondent Name:** 

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ATTORNEY DOCKET NUMBER:	1046-001USU1
NAME OF SUBMITTER:	KEEGAN CALDWELL
SIGNATURE:	/Keegan Caldwell/
DATE SIGNED:	08/28/2019

#### **Total Attachments: 3**

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**PATENT** REEL: 050198 FRAME: 0982 505644197

Attorney Docket No.: 1046-001USU1

## **ASSIGNMENT**

Whereas, I, **Tom Serres**, residing in Concord, MA, have invented one or more new and useful inventions and have filed therefore United States Nonprovisional Patent Application Serial No. 16/428,886, filed on 05/31/2019, entitled "SYSTEMS AND METHODS FOR DISTRIBUTED, CRYPTOGRAPHICALLY SECURED SHIPMENT DATA VALIDATION," (hereinafter, "Application(s)");

And whereas, PITT OHIO Express, a Pennsylvania Limited Liability Company, having a place of business at 15 27th Street, Pittsburgh, PA 15222 (hereinafter called "Assignee"), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the Application(s), and I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Executed as of	08/12/2019	Jon Serves	
	Date	Tom Serres	

Attorney Docket No.: 1046-001USU1

## ASSIGNMENT

Whereas, I, **Bettina Warburg**, residing in Concord, MA, have invented one or more new and useful inventions and have filed therefore United States Nonprovisional Patent Application Serial No. 16/428,886, filed on 05/31/2019, entitled "SYSTEMS AND METHODS FOR DISTRIBUTED, CRYPTOGRAPHICALLY SECURED SHIPMENT DATA VALIDATION," (hereinafter, "Application(s)");

And whereas, PITT OHIO Express, a Pennsylvania Limited Liability Company, having a place of business at 15 27th Street, Pittsburgh, PA 15222 (hereinafter called "Assignee"), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the Application(s), and I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Executed as of	08/09/2019	Beturn y olyng for
	Date	Bettina Warburg

Attorney Docket No.: 1046-001USU1

## ASSIGNMENT

Whereas, I, Chuck Hammel IV, residing in Gibsonia, PA, have invented one or more new and useful inventions and have filed therefore United States Nonprovisional Patent Application Serial No. 16/428,886, filed on 05/31/2019, entitled "SYSTEMS AND METHODS FOR DISTRIBUTED, CRYPTOGRAPHICALLY SECURED SHIPMENT DATA VALIDATION," (hereinafter, "Application(s)");

And whereas, PITT OHIO Express, a Pennsylvania Limited Liability Company, having a place of business at 15 27th Street, Pittsburgh, PA 15222 (hereinafter called "Assignee"), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the Application(s), and I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Executed as of	08/13/2019	Charles L Hammel IV
	Date	Chuck Hammel IV

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**RECORDED: 08/28/2019** 

PATENT REEL: 050198 FRAME: 0985