

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT5714290

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERIC JAMES BLACK	08/07/2019
MERSAD CAVCIC	08/07/2019
BRIAN MARK DEUTSCH	08/07/2019
ALEXANDER REMLEY KATKO	08/07/2019
JAY HOWARD MCCANDLESS	08/09/2019
ADAM DELOSS REA	08/08/2019
RYAN DALE RUTLEDGE	08/07/2019
SHANNON LEE HITCHEN	08/07/2019
SEYED ALI MALEK ABADI	08/07/2019
JORDAN PHILIP DOLE#ILEK READ	08/07/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PIVOTAL COMMWARE, INC.
<b>Street Address:</b>	10801 120TH AVENUE NE #200
<b>City:</b>	KIRKLAND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98033
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16568096
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)381-3301
<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>	(206) 381-3300
<b>Email:</b>	patentdocketing@lowegrahamjones.com
<b>Correspondent Name:</b>	JOHN W. BRANCH
<b>Address Line 1:</b>	701 FIFTH AVENUE SUITE 4800
<b>Address Line 2:</b>	LOWE GRAHAM JONES PLLC
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98104
<b>ATTORNEY DOCKET NUMBER:</b>	PVTL-1-0032

PATENT

<b>NAME OF SUBMITTER:</b>	DANIEL Y OGAMI
<b>SIGNATURE:</b>	/daniel y ogami/
<b>DATE SIGNED:</b>	09/11/2019
<b>Total Attachments: 4</b> source=PVTL-1-0032_Assignment_updated_COPY_signed#page1.tif source=PVTL-1-0032_Assignment_updated_COPY_signed#page2.tif source=PVTL-1-0032_Assignment_updated_COPY_signed#page3.tif source=PVTL-1-0032_Assignment_updated_COPY_signed#page4.tif	

ASSIGNMENT

I, Eric James Black, residing in Bothell, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Mersad Cavcic, residing in Kirkland, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Brian Mark Deutsch, residing in Issaquah, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Alexander Remley Katko, residing in Seattle, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Jay Howard McCandless, residing in Alpine, California, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Adam Deloss Rea, residing in Edmonds, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Ryan Dale Rutledge, residing in Marysville, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Shannon Lee Hitchen, residing in Renton, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Seyed Ali Malek Abadi, residing in Mill Creek, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033; and

I, Jordan Philip Doležilek Read, residing in Woodinville, Washington, with a mailing address at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033;

Attorney Docket No.: PVTL-1-0031

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, paid to ASSIGNOR by

Pivotal Commware, Inc.

a corporation organized under the laws of Delaware, located at 10801 120<sup>th</sup> Avenue NE #200, Kirkland, Washington 98033 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, both in the United States and throughout the world in and to my Invention entitled:

**COMMUNICATION OF WIRELESS SIGNALS THROUGH PHYSICAL BARRIERS**

invented by me and described in U.S. Non-Provisional Patent Application Serial No. 16/358,112 filed on March 19, 2019; which claims priority from U.S. Provisional Patent Application Serial No. 62/645,004 filed on March 19, 2018 and U.S. Provisional Patent Application Serial No. 62/730,497 filed on September 12, 2018; and all patents, divisions, reissues, continuations, renewals, continuations-in-part and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof both in the United States and throughout the world;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing there from is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or

Attorney Docket No.: PVTL-1-0031

required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

And I hereby acknowledge that a signature in electronic form has the same legal effect and validity as a handwritten signature.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

DocuSigned by:  
*Eric James Black*  
Eric James Black

8/7/2019

Date Signed

DocuSigned by:  
*Mersad Cavcic*  
Mersad Cavcic

8/7/2019

Date Signed

DocuSigned by:  
*Brian Mark Deutsch*  
Brian Mark Deutsch

8/7/2019

Date Signed

DocuSigned by:  
*Alexander Remley Katko*  
Alexander Remley Katko

8/7/2019

Date Signed

Attorney Docket No.: PVTL-1-0031

DocuSigned by:  
*Jay Howard McCandless*  
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8/9/2019

Date Signed

DocuSigned by:  
*Adam Deloss Rea*  
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8/8/2019

Date Signed

DocuSigned by:  
*Ryan Dale Rutledge*  
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8/7/2019

Date Signed

DocuSigned by:  
*Shannon Lee Hitchen*  
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8/7/2019

Date Signed

DocuSigned by:  
*Seyed Ali Malek Abadi*  
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8/7/2019

Date Signed

DocuSigned by:  
*Jordan Philip Doležilek Read*  
/\_\_\_\_\_/

8/7/2019

Date Signed