

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALEXANDER C. RUEGE	04/23/2014
YAKUP BAYRAM	04/23/2014
ERIC K. WALTON	04/09/2014
RECEIVING PARTY DATA	
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Internal Address:	SUITE 200
City:	CHANTILLY
State/Country:	VIRGINIA
Postal Code:	20151
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15346161
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SIGNATURE:	/J. Hindah Weissbrot/
DATE SIGNED:	08/23/2017
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, We, Alexander C. Ruege, a citizen of the United States of America, having a mailing address at 4125 Lafayette Center Drive, Ste. 200, Chantilly, VA 20151, Yakup Bayram, a citizen of the United States of America, having a mailing address at 4125 Lafayette Center Drive, Ste. 200, Chantilly, VA 20151, and Eric K. Walton, a citizen of the United States of America, having a mailing address at 4125 Lafayette Center Drive, Ste. 200, Chantilly, VA 20151 (hereinafter referred to as ASSIGNORS), are the joint inventors of the Inventions set forth in the following:

PCT International Application entitled MATERIAL EROSION MONITORING SYSTEM AND METHOD filed on March 28, 2014 and assigned Serial No. PCT/US14/31981; and

United States Patent Application entitled MATERIAL EROSION MONITORING SYSTEM AND METHOD, filed with the United States Patent and Trademark Office on March 26, 2014 and assigned serial number 14/226,102;

(the "Applications").

WHEREAS, PaneraTech, Inc., a Virginia Corporation having a place of business at 4125 Lafayette Center Drive, Ste. 200, Chantilly, VA 20151 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the Inventions, the Applications, and to any letters patent in regard to the Inventions listed above that may be granted therefor in all countries throughout the world;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) or equivalent and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the ASSIGNORS hereby sell, transfer, assign, and set over to the ASSIGNEE, and to its successors, assigns, and legal representatives, the entire right, title and interest in and to the Inventions and the Applications, for the entire world, including (without limitation) the United States and all foreign countries, and to all Letters Patent, non-provisional applications, divisions, continuations, continuations-in-part, substitutions, reissues, reexaminations, and extensions to be obtained therefor, and in and to all rights of priority resulting from the filing of the Applications, together with the right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present or future infringement of the Inventions. The ASSIGNORS agree to cooperate with the ASSIGNEE in obtaining and sustaining any or all Letters Patent, but at the expense of the ASSIGNEE. The Commissioner of Patents is hereby authorized and requested to issue any and all Letters Patent solely, in accordance with this Assignment, to the ASSIGNEE, its successors, legal representatives and assigns as the ASSIGNEE of the entire rights, title and interest therein.


The ASSIGNORS further agree to communicate to the ASSIGNEE or its representatives any facts known to the ASSIGNORS respecting the Inventions, and at the expense of the ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all division, continuation, continuation-in-part, substitution, reissue, reexamination, and extension

applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths and generally to do everything necessary or desirable to aid the ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the Inventions in the United States and in any and all foreign countries. The ASSIGNORS and ASSIGNEE hereby authorize and request Gregory M. Stone, Esq. of Whiteford, Taylor & Preston L.L.P., or any other attorney at Whiteford, Taylor & Preston, LLP, to insert above the application numbers and filing dates of said Applications when known.

IN WITNESS WHEREOF, the ASSIGNORS have executed this Assignment as an instrument under seal on the date written below.

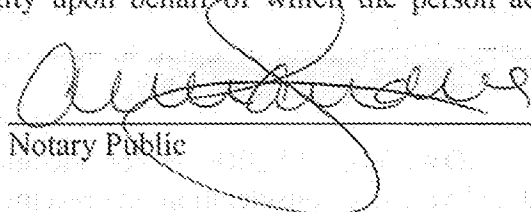
4/23/2014

Date


Alexander C. Ruege

On this 23rd day of April, 2014, before me, a Notary Public, appeared Alexander C. Ruege, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Notary Public

STATE OF Virginia

CITY/COUNTY OF Fairfax

ANN SANDERS
NOTARY PUBLIC
COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES FEB. 28, 2018
COMMISSION # 7062518

4/23/2014
Date

Yakup Bayram

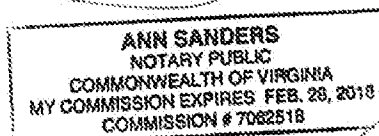
On this 23rd day of April, 2014, before me, a Notary Public, appeared Yakup Bayram, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Ann Sanders
Notary Public

STATE OF Virginia

CITY/COUNTY OF Fairfax



4/9/14
Date

Eric K. Walton

On this 9th day of April, 2014, before me, a Notary Public, appeared Eric K. Walton, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Courtney Chatterton
Notary Public

STATE OF Ohio

CITY/COUNTY OF Franklin



COURTNEY CHATTERTON
Notary Public, State of Ohio
My Commission Expires
March 21, 2018

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