

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 3014.002US1

Patent and Trademark Office

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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

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1. Name of conveying party(ies):

Ray Fertig, Emmett Nelson, Don Robbins

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: February 4, 2011, February 22, 2011,  
February 15, 2011

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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 13/011,076, filed January 21, 2011

Additional numbers attached? ☐ Yes ☒ No

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5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David C. Peterson

Address:

Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402--09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account  
19-07438. Please charge any additional fees or credit any over  
payments to our Deposit Account No.: 19-0743

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DO NOT USE THIS SPACE

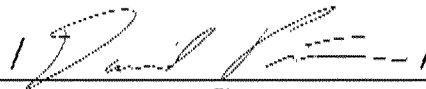
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David C. Peterson/Reg. No. 47,857

Name of Person Signing



Signature

3/15/2011

Date

Total number of pages including cover sheet: 6

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

700458743

PATENT  
REEL: 025993 FRAME: 0890

CH \$40.00 190743 13011076

### ASSIGNMENT

WHEREAS, We, Ray Fertig, residing at 218 Ames Avenue, Cheyenne, WY 82007, and Emmett Nelson, residing at 701 South 15th Street, Laramie, WY 82070, and Don Robbins, residing at 1721 Arnold Street, Laramie, WY 82070, made certain new and useful inventions and improvements which are described in an application on **January 21, 2010**, which was assigned U.S. patent application serial number **61/297,037**, and on January **21, 2011**, which was assigned U.S. patent application serial number **13/011,076**, and in an application for PCT Letters Patent on **January 21, 2011**, which was assigned PCT patent application serial number **PCT/US2011/022011**, all are entitled **AUTOMATED METHOD TO DETERMINE COMPOSITE MATERIAL CONSTITUENT PROPERTIES;**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Firehole Technologies (the "Assignee"), a corporation of the State of WY, having a place of business at 210 South Third Street, Suite 202, Laramie, WY 82070, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

**Additional Application Information**

*No International or foreign claim for priority is being made at this time.*

**ASSIGNMENT**

Assignors: Ray Fertig et al.

Docket No: 3014.002US1

Serial Number: 13/011,076

Title: AUTOMATED METHOD TO DETERMINE COMPOSITE MATERIAL CONSTITUENT PROPERTIES

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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT

Assignors: Ray Fertig et al.

Title: AUTOMATED METHOD TO DETERMINE COMPOSITE MATERIAL CONSTITUENT PROPERTIES

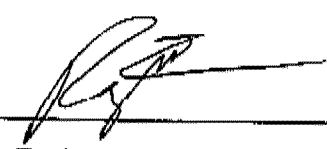
Docket No: 3014,002US1

Serial Number: 13/011,076

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of

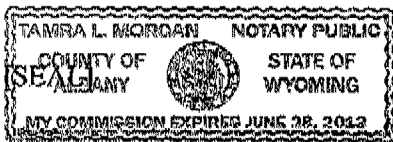
February, 2011.

  
\_\_\_\_\_  
Ray Fertig

STATE OF Wyoming )  
 )ss

COUNTY OF Albany )

On this 4 day of February, 2011 before me personally appeared Ray Fertig, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



  
\_\_\_\_\_  
Notary Public

PATENT

REEL: 025993 FRAME: 0893

ASSIGNMENT

Assignors: Ray Fortig et al.

Title: AUTOMATED METHOD TO DETERMINE COMPOSITE MATERIAL CONSTITUENT PROPERTIES

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Docket No: 3014.002US1

Serial Number: 13/011,076

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of  
February, 2011.



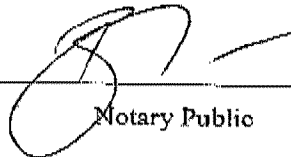
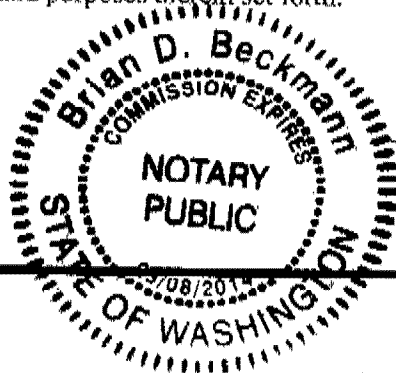
Emmett Nelson

STATE OF Washington )  
 )ss

COUNTY OF King )

On this 22nd day of February, 2011 before me personally appeared  
Emmett Nelson, to me known and known to me to be the person described in and who executed  
the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for  
the uses and purposes therein set forth.

[SEAL]



Notary Public

expires: 03/08/2014

ASSIGNMENT

Assignors: Ray Fertig et al,

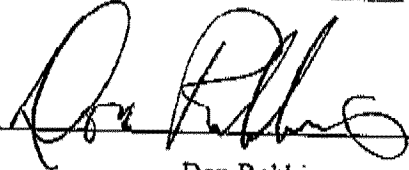
Title: AUTOMATED METHOD TO DETERMINE COMPOSITE MATERIAL CONSTITUENT PROPERTIES

Docket No: 3014.002US1

Serial Number: 13/011,076

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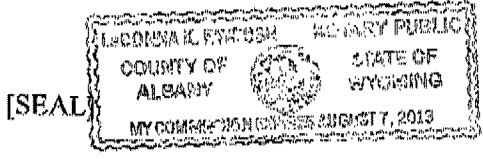
IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of Feb, 20 11.

  
\_\_\_\_\_  
Don Robbins

STATE OF Wyo )

COUNTY OF Albany )ss

On this 15 day of Feb, 20 11 before me personally appeared Don Robbins, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



  
\_\_\_\_\_  
Notary Public