502013165 08/03/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Ralph L Coates | 07/30/2009 |
| Kent E Hatfield | 07/31/2009 |
| L Douglas Smoot | 07/28/2009 |

RECEIVING PARTY DATA

| Name: | Combustion Resources, Inc. |
|-----------------|----------------------------|
| Street Address: | 1453 W 820 N |
| City: | Provo |
| State/Country: | UTAH |
| Postal Code: | 84601 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13565664 |

CORRESPONDENCE DATA

Fax Number:

Phone: 801-755-7277

Email: brett@patepeterson.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

Correspondent Name: Brett Peterson
Address Line 1: 36 W Fireclay Ave
Address Line 4: Murray, UTAH 84107

| ATTORNEY DOCKET NUMBER: | 4977.COAT.CN |
|-------------------------|----------------|
| NAME OF SUBMITTER: | Brett Peterson |

Total Attachments: 5

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> PATENT REEL: 028718 FRAME: 0001

OP \$40.00 13565664

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to Combustion Resources, Inc. ("ASSIGNEE"), a corporation of the state of Utah having a place of business at 1453 West 820 North, Provo, UT 84601, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 12/470,423 filed on May 21, 2009, and entitled METHOD AND APPARATUS FOR MAXIMIZING THROUGHPUT OF INDIRECTLY HEATED ROTARY KILNS, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

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

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

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

PATENT REEL: 028718 FRAME: 0002 AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

| ASSIGNORS: | |
|---|------------------------------------|
| Ralph L. Coates | Date 30 JULY 2009 |
| | |
| L. Douglas Smoot | Date |
| Centra Janteld Kent E. Hatfield | Date July 31 207 |
| COUNTY OF) : ss. | |
| On this 3074 day of 7017, 2009, being Coates to me known to be the person whose name is substacknowledged to me that he/she executed the same. | |
| Notary Public BERT ANKROM 230 S 500 E Suite 300 Salt Lake City, Utah 84102 My Commission Expires May 18, 2011 State of Utah Notary Public | c in and for said County and State |
| My Commission Expires: | |
| 18 MAY 2011 | |

| COUNTY OF |) | |
|----------------|---|---|
| STATE OF | : ss.) | |
| Smoot to me kn | | , 2009, before me personally appeared L. Douglas se name is subscribed to the foregoing instrument, and the same. |
| | | Notary Public in and for said County and State |
| My Commission | n Expires: | |
| COUNTY OF |) : ss. | |
| STATE OF |) | |
| Hatfield to me | | , 2009, before me personally appeared Kent E. hose name is subscribed to the foregoing instrument, ted the same. |
| | Notary Public BERT ANKROM 230 S 500 E Suite 300 Salt Lake City, Utah 84102 My Commission Expires May 18, 2011 State of Utah | Notary Public in and for said County and State |
| My Commission | n Expires: | |
| 18MAY 20 | 11 | |

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AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

| ASSIGNORS: | | | |
|-----------------------|--------------------|-----------------|---|
| | | | Date |
| Ralph L. Coates Www. | glas Si | ncot | Date 28 July Wog |
| L. Douglas Smoot | | | |
| | . <u> </u> | | Date |
| Kent E. Hatfield | | | |
| COUNTY OF |) | | |
| STATE OF | : ss.) | | |
| | to be the person v | vhose name is s | before me personally appeared Ralph L. ubscribed to the foregoing instrument, and |
| | | Notary Pu | ablic in and for said County and State |
| My Commission Exp | pires: | | |

| COUNTY OF Utah) | |
|--|---|
| STATE OF (ital) : ss. | |
| | , 2009, before me personally appeared L. Douglas hose name is subscribed to the foregoing instrument, and d the same. |
| FAYE P. PARKER NOTARY PUBLIC • STATE OF UTAH 1435 WEST 820 NORTH PROVO, UTAH 84601 COMM. EXPIRES 3-27-2010 | Notary Public in and for said County and State |
| My Commission Expires: | |
| 3-27-2010 | |
| COUNTY OF) : ss. | |
| STATE OF) | |
| | , 2009, before me personally appeared Kent E. whose name is subscribed to the foregoing instrument, cuted the same. |
| | |
| | Notary Public in and for said County and State |
| My Commission Expires: | |
| | |

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PATENT REEL: 028718 FRAME: 0006

RECORDED: 08/03/2012