PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| Patrick R. Zimmerman | 07/29/2009 |

RECEIVING PARTY DATA

| Name: | South Dakota School of Mines and Technology |
|-----------------|---|
| Street Address: | 500 East St. Joseph Street |
| City: | Rapid City |
| State/Country: | SOUTH DAKOTA |
| Postal Code: | 57701 |

PROPERTY NUMBERS Total: 2

| Property Type | Number |
|---------------------|----------|
| Application Number: | 61055902 |
| Application Number: | 12471873 |

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: CLK006-US

NAME OF SUBMITTER: Carol W. Burton

Total Attachments: 2

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PATENT REEL: 023028 FRAME: 0396

ASSIGNMENT

WHEREAS, I, Patrick R. Zimmerman, having a mailing address of 525 University Loop, Suite 111, Rapid City, SD, 57701, have made a certain new and useful invention relating to TECHNIQUES FOR MINIMIZING NITROUS OXIDE EMISSIONS AND INCREASING CERTAINTY IN GENERATING, QUANTIFYING AND VERIFYING STANDARDIZED ENVIRONMENTAL ATTRIBUTES RELATING TO NITROUS OXIDE for which a U.S. Provisional Patent Application No. 61/055,902 was filed May 23, 2008 and for which I have made application for Letters Patent of the United States under U.S. Serial No. 12/471,873, said application being identified by Docket No. CLK006-US and Client/Matter No. 29038.0006.001 in the law firm of Hogan & Hartson, LLP, 1200 Seventeenth Street, Suite 1500, Denver, Colorado 80202, and which is executed concurrently herewith; and

WHEREAS, South Dakota School of Mines and Technology, whose mailing address is 500 East St. Joseph Street, Rapid City, South Dakota, 57701 ("ASSIGNEE") is desirous of acquiring my entire interest in and to said invention, said applications, and the Letters Patent to be obtained therefor.

NOW THEREFORE, for certain good and valuable consideration to me in hand paid, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, and set over, and by these presents do hereby sell, assign, and set over, to said ASSIGNEE, and said ASSIGNEE's legal representatives, successors, and assigns, my entire right, title, and interest in and to said invention, said applications, all continuing applications, reissued and reexamined patents, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, I do hereby covenant and agree with said ASSIGNEE that I will not execute any writing or do any act whatsoever conflicting with

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these presents, and that I will, at any time upon request, without further or additional consideration, but at the expense of said ASSIGNEE, execute such additional assignments and other writings and do such additional acts as said ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, continuing divisional, renewal, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or choices in action occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood and the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties.

IN WITNESS WHEREOF, I hereby state I have read the foregoing Assignment and have hereunto set my hand on the date hereinafter set forth.

Date: 7-29-09

Patrick R. ZIMMERMAN

RECORDED: 07/30/2009