Docket No.: 4878.00 09-15-1998 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) *IVER SHEET* (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) **NLY** Copyright 1994-97 LegalStar P08/REV02 100828664 Tab settings To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Robert V. Zimmerman Name: Jones and Associates Engineers, Inc. Internal Address: ☑ Yes ☐ No. Additional names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: 12557 E. KentuckyPlace ☐ Merger ★ Assignment ☐ Security Agreement ☐ Change of Name State: CO ZIP: 80012-☐ Other Execution Date: August 31, 1998 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: August 24, 1998 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Gary M. Polumbus 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: 443825-4/4878.00 🛮 Enclosed - Any excess or insufficiency should be credited or debited to deposit account ☐ Authorized to be charged to deposit account Street Address: Republic Plaza Building, #4400 8. Deposit account number: 370 Seventeenth Street 04-1415 State: CO ZIP: 80202 City: Denver DO NOT USE THIS SPACE 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

Signature

Total number of pages including cover sheet, attachments, and document

of the original document.

Name of Person Signing

Gary M. Polumbus

REEL: 9442 FRAME: 0515

September 3, 1998

Date

Assignment of Rights in Invention (Sole inventor; single assignee)

Docket No. 4878.00

| , , , | |
|--------------------------------------|--|
| Inventor | Residence of Inventor |
| Robert V. Zimmerman | 1813 S. Glencoe Street Denver, Colorado 80222-3918 |
| Assignee | Residence or Principal Place of Business of Assignee |
| Jones and Associates Engineers, Inc. | 12557 E. Kentucky Place Aurora, Colorado 80012-3326 |

Whereas, I, the above-identified Inventor, have invented certain new and useful improvements in: VERTICAL SHAFT PROCESSOR WITH IMPROVED GAS DELIVERY SYSTEM

(hereinafter referred to as "Invention") for which I am making application for Letters Patent in the United States of America;

And, whereas I desire to assign a 100% undivided interest in said Invention, said application disclosing the Invention and any Letters Patent which may be granted therefor to the above-identified Assignee, and whereas said Assignee is desirous of acquiring the entire right, title and interest in the same;

Now, this indenture witnesseth, that for the sum of One dollars (\$ 1.00), and other good and valuable consideration, the receipt whereof is hereby acknowledged;

I hereby assign, sell and transfer a 100% undivided interest in said invention, said application, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Assignee, as assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary and lawful future documents, including assignments in favor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patent of the United States and countries foreign thereto;

PATENT REEL: 9442 FRAME: 0516

AS02A/REV01

Assignment of Rights in Invention (Sole inventor; single assignee)

Docket No. 4875.00

| (Bote inventor, bright assignee) | |
|--------------------------------------|--|
| Inventor | Residence of Inventor |
| Robert V. Zimmerman | 1813 S. Glencoe Street Denver, Colorado 80222-3918 |
| Assignee | Residence or Principal Place of Business of Assignee |
| Jones and Associates Engineers, Inc. | 12557 E. Kentucky Place Aurora, Colorado 80012-3326 |

And I further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee thereof shall hereafter require and prepare at its own expense.

Executed this at Denver, Colorado

day of

August

, in the year

1998

State of Colorado

County of Denver

Before me personally appeared Robert V. Zimmerman who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 3 | day of August, in the year 1998

(Notary Public)

My Commission expires April 10, 2002

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AS02A/REV01

PATENT REEL: 9442 FRAME: 0517