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| FORM PTO- Expires 06/30/99 OMB 0651-0027 | 1619A | 09-24-1998 | U.S. Department of Commerce Patent and Trademark Office PATENT | | |
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| TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). | | | | | |
| Submission | туре | Conveyance Type | rity Agreement | | |
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| Reel # | n of PTO Error Frame # | Merger Othe | ernment | | |
| Corrective Reel # | Corrective Document (For Use ONLY by U.S. Government Agencies) | | | | |
| Conveying P | 'arty(ies) | Mark if additional names of conv | eying parties attached Execution Date | | |
| Name (line 1) | Srinivasachar, Srivats | | Month Day Year 02 27 1998 | | |
| Name (line 2) | | | Everytion Date | | |
| Second Party | Togan, Majed A. Execution Date Month Day Year | | | | |
| Name (line 2) | Toqan, Majed A. [03 03 1998] | | | | |
| Receiving Pa | | | I names of receiving parties attached | | |
| Name (line 1) | | ······································ | If document to be recorded | | |
| Name (line 2) | Combustion Engineering, Inc. | | | | |
| | a corporation of Delaware States, an appointment of a domestic | | | | |
| Address (line 1) | 2000 Day Hill Road representative is attached. (Designation must be a separate document from | | | | |
| Address (line 2) | | | Assignment.) | | |
| Address (line 3) | Windsor City | CT State/Country | 06095 Zip Code | | |
| Domestic Re | epresentative Name and Ad | | | | |
| Name [| | | | | |
| Address (line 1) | | | | | |
| Address (line 2) | | | | | |
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| D.C. 20231 and to the Information Collection | Budget Package 0651-0027, Patent and Trademark A | Management and Budget, Paperwork Reduction Proje Assignment Practice. DO NOT SEND REQUESTS TO R A with required cover sheet(s) infor | RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS. | | |
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PATENT REEL: 9475 FRAME: 0106

| FORM PTO-1619B Expires 06/30/99 OMB 0651-0027 | Page 2 | U.S. Department of Commerce Patent and Trademark Office PATENT |
|--|--|--|
| Correspondent Name and Address | Area Code and Telephone Number | (860) 285-9112 |
| Name Arthur E, Fournier, | Jr. | |
| Address (line 1) Legal Department 6506 | 5-2324 | |
| Address (line 2) Combustion Engineerin | ng, Inc. | |
| Address (line 3) 2000 Day Hill Road | | |
| Address (line 4) Windsor, CT 06095 | | |
| Pages Enter the total number of pa including any attachments. | ges of the attached conveyance docu | ment # 2 |
| Application Number(s) or Patent Num Enter either the Patent Application Number or the Patent Application Number(s) 08/912,903 08/912,903 If this document is being filed together with a new Pater signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number on Number has not been assigned. Number of Properties; Enter the tot | Patent Number (DO NOT ENTER BOTH number Paten Pat | Image: Second |
| Fee Amount Fee Amount | for Properties Listed (37 CFR 3.41): | \$ 40.00 |
| Deposit Account (Enter for payment by deposit account or if addi D | Deposit Account X itional fees can be charged to the account.) Deposit Account Number: Authorization to charge additional fees: | # 03-2578 |
| Statement and Signature | · · · · · · · · · · · · · · · · · · · | |
| | lief, the foregoing information is true priginal document. Charges to deposi | 2 |
| Arthur E. Fournier, Jr. | a-224 | September 17, 1998 |
| Name of Person Signing | Signature | Date |
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PATENT REEL: 9475 FRAME: 0107

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| (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) MAR 0 9 1998 | 9-1998 ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office 64897 ed original documents or copy thereof. |
| 1. Name of conveying party(ies): Thomas G. Duby, Milton A. Fong, Todd D. Hellewell, Robert D. Lewis, Charles Q. Maney, Majed A. Toqan, David P. Towle, Srivats Srinivasachar Additional name(s) of conveying party(ies) attached? I Yes X No 3. Nature of conveyance: XI Assignment I Security Agreement I Other February 27, 1998 and Execution Date: | 2. Name and address of receiving party(ies) Name: Combustion Engineering, Inc. Internal Address: |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new application A. Patent Application No.(s) 08/912,903 Additional numbers attraction | B. Patent No.(s) |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: |
| Name: Arthur E. Fournier, Jr. Internal Address: Legal Department 6506-2324 Combustion Engineering, Inc. | 7. Total fee (37 CFR 3.41)\$ 40.00 □ Enclosed □ Authorized to be charged to deposit account |
| Street Address: 2000 Day Hill Road | 8. Deposit account number: 03-2578 |
| City: <u>Windsor</u> State: <u>CT</u> ZIP: 06095 | (Attach duplicate copy of this page if paying by deposit account) |
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| 9. Statement and signature. To the best of my knowledge and belief, the foregoing informa the original document. | ation is true and correct and any attached copy is a true copy of |
| | Signature March 4, 1998 Date Date |
| | PATENT REEL: 9475 FRAME: 0108 |

ASSIGNMENT

Joint

WHEREAS, we, Thomas G. Duby, Milton A. Fong, Todd D. Hellewell, Robert D. Lewis, Charles Q. Maney, Majed A. Toqan, David P. Towle, citizens of the United States, and Srivats Srinivasachar, a citizen of India, residing at 13 Adams Street, East Hampton, Massachusetts 01027; 50 Carriage Drive, South Windsor, Connecticut 06074; 30 Holly Circle, Windsor, Connecticut 06095; 5 Ronald Drive, Cromwell, Connecticut 06416; 132 Lawnwood Avenue, Longmeadow, Massachusetts 01106; 8 Riverview, Avon, Connecticut 06001; 6 Meadow Brook Road, Simsbury, Connecticut 06070; and 10 Podunk Road, Sturbridge, Massachusetts 01566, respectively, have invented certain new and useful improvements in MINIMUM RECIRCULATION FLAME CONTROL (MRFC) PULVERIZED SOLID FUEL NOZZLE TIP, for which we have filed an application for Letters Patent of the United States on the 15th day of August, 1997, serial number 08/912,903; and

WHEREAS, **COMBUSTION ENGINEERING**, **INC.**, a corporation organized and existing under the laws of the State of Delaware, and having an office at Windsor, Connecticut, is desirous of acquiring the entire right, title and interest in and to said application and the inventions contained therein and all Letters Patent which may be issued for said inventions;

NOW, THEREFORE, for and in consideration of the sum of one dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, we, *Thomas G. Duby, Milton A. Fong, Todd D. Hellewell, Robert D. Lewis, Charles Q. Maney, Srivats Srinivasachar, Majed A. Toqan and David P. Towle*, do hereby sell and assign to *COMBUSTION ENGINEERING, INC.*, its successors and assigns our entire right, title and interest in and to all said inventions and in and to all Letters Patent of the United States which may be granted therefor on the above application or any divisions, continuations or renewals thereof, and any reissues of said Letters Patent; and we further hereby sell and assign to *COMBUSTION ENGINEERING, INC.*, its successors and assigns our entire right, title and interest in and to any patents which may issue in foreign countries on said inventions, together with the right to apply for patents in foreign countries and all rights of priority resulting from the filing of said United States application. And we agree to execute any foreign applications and to sign any papers necessary for securing or maintaining patents on said inventions in foreign countries; and

We do hereby covenant that we have the right to convey the said entire right, title and interest herein conveyed and that we have not executed and will not execute any agreement in conflict herewith; and

We agree to sign all necessary papers, give all necessary information, and testify in any judicial or administrative proceedings, including proceedings in any patent office, but at no expense to us, and to do everything in our power to aid *COMBUSTION ENGINEERING*, *INC.*, to secure and maintain patent protection on said inventions.

IN WITNESS WHEREOF, we have hereunto set our hands at Windsor, Connecticut.

Thomas G. Duby

Milton A. Fong

Charles Q. Maney Srivats Srinivasachar Mathan

Majed A. Toqan

Robert D. Lewis

Todd D. Hellewell

David P. Towle

State of Connecticut)

) ss. County of Hartford)

On this <u>27th</u> day of <u>February</u>, 1998, before me personally appeared *Thomas G.* (1) *Duby, Milton A. Fong, Todd D. Hellewell, Robert D. Lewis, Charles Q. Maney, Srivats Srinivasachar, Majed A. Toqan and David P. Towle* to me known, who acknowledged that they executed the foregoing instrument.

Notary Public CAROL L. VEILLEUX NOTARY PUBLIC My Commission Expires Aug. 31, 2001

State of Connecticut)) ss. County of Hartford)

On this <u>2nd</u> day of <u>March</u>, 1998, before me personally appeared *Thomas G*. *Duby, Milton A. Fong, Todd D. Hellewell, Robert D. Lewis, Charles Q. Maney, Srivats Srinivasachar, Majed A. Toqan and David P. Towle* to me known, who acknowledged that they executed the foregoing instrument.

Notary Public

CAROL L. VEILLEUX NOTARY PUBLIC My Commission Expires Aug. 31, 2001

PATENT REEL: 9475 FRAME: 0110

RECORDED: 03/19/1998