

04-06-2004



102713886

15364 U.S. PTO  
10/812431

033004

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| Form PTO-1595<br>(Rev. 03/01)<br>OMB No. 0651-0027 (exp. 5/31/2002)<br>Tab settings  |  | <b>RECORDATION FORM COVER SHEET</b><br><b>PATENTS ONLY</b>   |  | U.S. DEPARTMENT OF COMMERCE<br>U.S. Patent and Trademark Office |  |
| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.  |  |  |  |   |  |
| 1. Name of conveying party(ies):<br>Richard D. Newberry  |  | 2. Name and address of receiving party(ies)<br>Name: <u>Carlin Combustion Technology, Inc.</u><br>Internal Address: _____<br>_____<br>Street Address: <u>70 Maple Street</u><br>_____<br>City: <u>East Longmeadow</u> State: <u>MA</u> Zip: <u>01028</u><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |   |  |
| Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>3. Nature of conveyance:<br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Other _____<br>Execution Date: <u>March 30, 2004</u>   |  | 4. Application number(s) or patent number(s):<br><u>10812431</u><br>If this document is being filed together with a new application, the execution date of the application is: <u>03/30/04</u><br>A. Patent Application No.(s)                      B. Patent No.(s)<br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  |   |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:<br>Name: <u>McCormick, Paulding &amp; Huber LLP</u><br>Internal Address: _____<br><u>(5004-0023-1-1)</u><br>_____<br>Street Address: <u>185 Asylum Street, CityPlace II</u><br>_____<br>City: <u>Hartford</u> State: <u>CT</u> Zip: <u>06103-3402</u>  |  | 6. Total number of applications and patents involved: <u>1</u><br>7. Total fee (37 CFR 3.41).....\$ <u>40.00</u><br><input checked="" type="checkbox"/> Enclosed<br><input type="checkbox"/> Authorized to be charged to deposit account<br>8. Deposit account number:<br><u>13-0235</u><br>(Attach duplicate copy of this page if paying by deposit account)              |  |   |  |
| <b>DO NOT USE THIS SPACE</b>   |  |  |  |   |  |
| 9. Statement and signature.<br><i>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.</i><br><div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <u>Daniel G. Mackas</u> Reg. No. 38,541<br/>           Name of Person Signing         </div> <div style="width: 30%; text-align: center;"> <br/>           Signature         </div> <div style="width: 30%; text-align: right;"> <u>03/30/04</u><br/>           Date         </div> </div> Total number of pages including cover sheet, attachments, and documents: <u>3</u> |  |  |  |   |  |

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

04/01/2004 MBIZUNES 00000029 10812431

01 FC:8021

40.00 OP

**PATENT**  
**REEL: 015164 FRAME: 0630**

**ASSIGNMENT**

**THIS INSTRUMENT OF ASSIGNMENT WITNESSETH THAT:**

**WHEREAS, I, Richard D. Newberry,**

**a resident of: 8 Brookside Glen, Huntington, Massachusetts 01050**

**have invented improvements in:**

**FLAME QUALITY AND FUEL CONSUMPTION MONITORING METHODS FOR  
OPERATING A PRIMARY BURNER**

**for which I have executed on even date herewith an application for Letters Patent of the  
United States, and**

**WHEREAS,**

**Carlin Combustion Technology, Inc.**

**a corporation of the**

**Commonwealth of Massachusetts**

**having a place of business at**

**70 Maple Street  
East Longmeadow, MA 01028**

**is desirous of acquiring an interest in said invention, said application and the Letters Patent to  
be issued therefor;**

**NOW, THEREFORE, to all whom it may concern, be it known that for and in  
consideration of the sum of ONE DOLLAR to each in hand paid and other good and valuable  
consideration, the receipt whereof is hereby acknowledged, I have sold, assigned and set over,  
and do hereby sell, assign and set over to said corporation, its successors or assigns, the entire  
right, title and interest to and in said invention in the United States and in all countries foreign  
to the United States, said United States application for Letters Patent therefor and the Letters  
Patent when issued; and I do hereby authorize and request the Commissioner of Patents and  
Trademarks to issue the Letters Patent based upon said application to said corporation as the  
assignees of my entire right, title and interest to and in the same, for the sole use and behoof  
of said corporation, its successors or assigns.**

**And I also hereby covenant and agree to sign all proper papers including  
divisional and other applications for patents and assignments thereof in the United States and  
application for patents and assignments in all countries foreign to the United States, and to  
execute all rightful oaths and to take any other proper action that may in the judgment of the**

said corporation be necessary for securing thereto full rights to said invention, all of the foregoing to be at the expense of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this

30 day of March, 2004.

*Richard D. Newberry*  
Richard D. Newberry

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF *Hampden* )ss:  
 )

On this 30th day of March, 2004, before me, the subscriber, personally came Richard D. Newberry to me known and known to be the same person described in and who executed the foregoing instrument, and duly acknowledged that he executed the same.

Agnes S. Bozacz  
Notary Public [SEAL]

TOTAL P.05