

08-30-2002



FORM PTO-1595

(Rev. 6-93)

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To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- A. Gregory T. Kitko
- B. Marty R. McGhee
- C. David G. Schalles

08-28-02

2. Name and address of receiving party(ies)

Name: Bloom Engineering

Internal Address: _____

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 5460 Horning Road

City: Pittsburgh

State: PA ZIP: 15236-2822

Additional name(s) & address(es) attached? Yes No

Execution Date: A. 1/15/2002; B. 1/24/2002; and
C. 1/9/2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application,
the execution date of the application is: _____

A. Patent Application No.(s)

09/744,845

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: John W. McIlvaine

Internal Address: Webb Ziesenheim Logsdon

Orkin & Hanson, P.C.

Street Address: 700 Koppers Building

436 Seventh Avenue

City: Pittsburgh State: PA ZIP: 15219-1818

6. Total number of applications and
patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

(Attach triplicate 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 information is true and correct and any attached copy
is a true copy of the original document.

John W. McIlvaine, Registration No. 34,219
Name of Person Signing

[Signature]
Signature

8/21/02
Date

Total number of pages including cover sheet, attachments and document 3

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents, U.S. Patent and Trademark Office
Office of Public Records, Crystal Gateway 4, Room 335
Washington, D.C. 20231

FINANCE SECTION
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(W0014390.1)

ASSIGNMENT

WHEREAS, We, HARRY P. FINKE, GREGORY T. KITKO, MARTY R. MCGHEE, AND DAVID G. SCHALLES, residing in the City of Pittsburgh, County of Allegheny, Commonwealth of Pennsylvania; the City of Coraopolis, County of Allegheny, Commonwealth of Pennsylvania; the City of Cornelius, County of Mecklenburg, State of North Carolina; and the City of Jefferson Hills, County of Allegheny, Commonwealth of Pennsylvania; respectively, have invented certain new and useful improvements in "BURNER FOR NON-SYMMETRICAL COMBUSTION AND METHOD" for which a patent application was filed in the United States Patent and Trademark Office on December 28, 2001, which is a continuation-in-part of United States Patent Application Serial No. 09/744,845, filed August 29, 2001, which claims the benefit of United States Provisional Application Serial No. 60/094,607, filed July 30, 1998. (hereinafter "said applications");

AND, WHEREAS, BLOOM ENGINEERING COMPANY, INC., a corporation of Pennsylvania, having a place of business at 5460 Horning Road, Pittsburgh, Pennsylvania, 15236-2822 hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said applications and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to us by said assignee, the receipt of which is hereby acknowledged. We do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said applications and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said applications, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

Harry P. Finke

Date

Gregory T. Kitko

Gregory T. Kitko

1/15/2002

Date

Marty R. McGhee

Marty R. McGhee

24 January 2002

Date

David G. Schalles

David G. Schalles

January 9, 2002

Date