

4/28/05

05-09-2005

Docket No.: PST-10502/36

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P08/REV03

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



Tab settings

102998046

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert W.M. Smith

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: April 28, 2005

2. Name and address of receiving party(ies):

Name: The Penn State Research Foundation

Internal Address:

Street Address: 304 Old Main

City: University Park State: PA ZIP: 16802

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

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

If this document is being filed together with a new application, the execution date of the application is: April 28, 2005

A. Patent Application No.(s)

B. Patent No.(s)

05/02/2005 KMEBRAH 000000057 11116536  
05 PD:8021

(40.00 JP)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Douglas L. Wathen

Internal Address: Gifford, Krass, Groh, Sprinkle et al

Street Address: PO Box 7021

City: Troy State: MI ZIP: 48007

6. Total number of applications and patents involved:

1

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

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

07-1180

(Attach duplicate copy of this page if paying by deposit account)

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.

Douglas L. Wathen

Name of Person Signing

Signature

April 28, 2005

Date

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

3

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services

Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT  
REEL: 016519 FRAME: 0664

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

Docket No.  
PST-10502/36

Inventor

Robert W.M. Smith

Residence of Inventor

110 Suburban Ave.  
State College, PA 16803

Assignee

The Penn State Research Foundation

Residence or Principal Place of Business of Assignee

304 Old Main  
University Park, PA 16802

*Whereas, I, the above-identified Inventor, have invented certain new and useful improvements in:*

**IMPROVED BELLOWS SEALS FOR THERMOACOUSTIC DEVICES AND RECIPROCATING MACHINERY**

*(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 Director of the United States Patent and Trademark Office 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;*

**Assignment of Rights in Invention  
(Sole inventor; single assignee)****Docket No.  
PST-10502/36****Inventor****Robert W.M. Smith****Residence of Inventor****110 Suburban Ave.  
State College, PA 16803****Assignee****The Penn State Research Foundation****Residence or Principal Place of Business of Assignee****304 Old Main  
University Park, PA 16802**

*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 20 day of April, in the year 2005  
at State College, Pennsylvania*

  
(Signature of Inventor)

State of

County of

**Before me personally appeared Robert W.M. Smith**

**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                      day of                      , in the year**

---

  
(Notary Public)