

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

# RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

## PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark Steven Habedank; Daniel Edward Wines; Christopher James League; Aaron Michael Dziech; George Edwin Whitaker

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

2. Name and address of receiving party(ies)

Name: General Electric Company

Internal Address:

Street Address: 1 River Road

City: Schenectady State: NY ZIP: 12345

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 8/27/03; 8/27/03; 8/26/03; 8/27/03, 8/27/03,  
respectively

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: 8/15/03; 8/16/03; 8/15/03;  
8/27/03; 8/15/03, respectively

A. Patent Application No.(s)

10/653,337

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 S. Beulick

Internal Address: Armstrong Teasdale, LLP.

Street Address: One Metropolitan Sq. Suite 2600

City: St. Louis State: MO ZIP: 63102

6. Total number of applications and patents involved:

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

01-2384

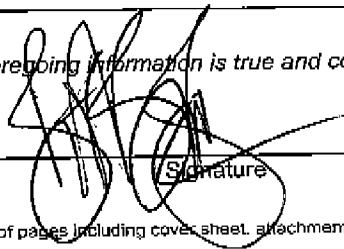
(Attach duplicate copy of this page if paying by deposit account)

**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 of the original document.*

Robert B. Reeser, III  
Name of Person Signing



December 2, 2003  
Date

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

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

**PATENT**

700054736

REEL: 014168 FRAME: 0750

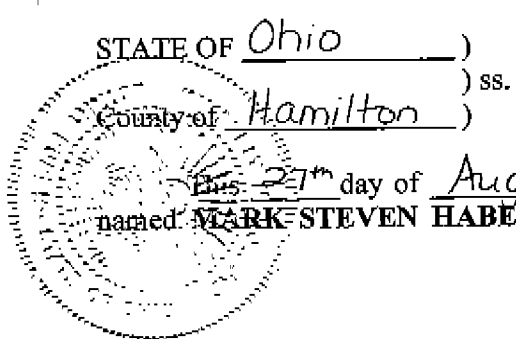
CH \$40.00 012384 10653337

ASSIGNMENT	Attorney Docket No. 134061
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In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or goods and valuable consideration, of which we acknowledge receipt, we, **MARK STEVEN HABEDANK**, 6426 Cumberland Lake Court, Hamilton, Ohio 45011; **DANIEL EDWARD WINES**, 5792 Whitechapel Drive, Cincinnati, Ohio 45236; **CHRISTOPHER JAMES LEAGUE**, 43090 34<sup>th</sup> Avenue, Cincinnati, Ohio 45209; **AARON MICHAEL DZIECH**, 4118 32<sup>nd</sup> Avenue, Cincinnati, Ohio 45209; and **GEORGE EDWIN WHITAKER**, 9272 McCauly Road, Sharonville, Ohio 45241-1134, sell and assign to General Electric Company, a New York Corporation, having an address at 1 River Road, Schenectady, New York 12345, USA, (hereinafter referred to as "Company"), its successors and assigns, our entire respective rights, titles and interests in and to the invention and improvements invented and originated by us and described in the application for United States Patent currently entitled **METHODS AND APPARATUS TO REDUCE SEAL RUBBING WITHIN GAS TURBINE ENGINES**, signed as of even date, and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements or resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

August 27, 2003

Mark Steven Habedank  
**MARK STEVEN HABEDANK**



STATE OF Ohio )  
 ) ss.  
 County of Hamilton )

**Kimberly M. Howard**  
**Notary Public, State of Ohio**  
**My Commission Expires**  
**October 2, 2006**  
**Recorded in Hamilton County**

On this 27<sup>th</sup> day of August, 2003, before me personally came the above-named **MARK STEVEN HABEDANK**, to me personally known as the individual who

ASSIGNMENT	Attorney Docket No. 134061
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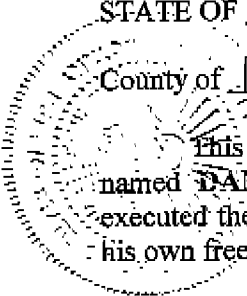
executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires: October 2, 2006  
 \_\_\_\_\_  
*Kimberly M. Howard*  
 Notary Public

August 27<sup>th</sup>, 2003  
 \_\_\_\_\_  
*Daniel Edward Wines*  
 DANIEL EDWARD WINES

**Kimberly M. Howard  
 Notary Public, State of Ohio  
 My Commission Expires  
 October 2, 2006  
 Recorded in Hamilton County**

STATE OF Ohio )  
 ) ss.  
 County of Hamilton )



This 27<sup>th</sup> day of August, 2003, before me personally came the above-named **DANIEL EDWARD WINES**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires: \_\_\_\_\_  
October 2, 2006

\_\_\_\_\_, 2003  
 \_\_\_\_\_  
**CHRISTOPHER JAMES LEAGUE**

STATE OF \_\_\_\_\_ )  
 ) ss.  
 County of \_\_\_\_\_ )

This \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me personally came the above-named **CHRISTOPHER JAMES LEAGUE**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires: \_\_\_\_\_  
 \_\_\_\_\_  
 Notary Public

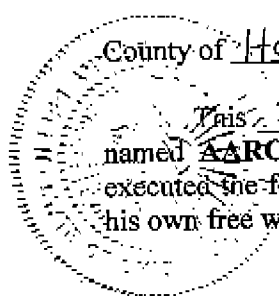
ASSIGNMENT	Attorney Docket No. 134061
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August 27, 2003

Aaron Michael Dzech  
AARON MICHAEL DZIECH

Kimberly M. Howard  
Notary Public, State of Ohio  
My Commission Expires  
October 2, 2006  
Recorded in Hamilton County

STATE OF Ohio )  
  ) ss.  
County of Hamilton )



This 27<sup>th</sup> day of August, 2003, before me personally came the above-named **AARON MICHAEL DZIECH**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:  
October 2, 2006

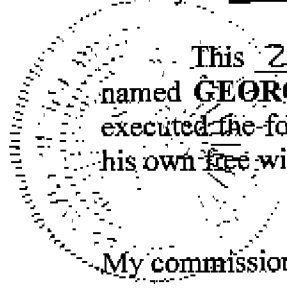
Kimberly M. Howard  
Notary Public

Aug 27, 2003

George Edwin Whitaker  
GEORGE EDWIN WHITAKER  
George Edwin Whitaker

Kimberly M. Howard  
Notary Public, State of Ohio  
My Commission Expires  
October 2, 2006  
Recorded in Hamilton County

STATE OF Ohio )  
  ) ss.  
County of Hamilton )



This 27<sup>th</sup> day of August, 2003, before me personally came the above-named **GEORGE EDWIN WHITAKER**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:  
October 2, 2006

Kimberly M. Howard  
Notary Public

ASSIGNMENT	Attorney Docket No. 134061
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In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or goods and valuable consideration, of which we acknowledge receipt, we, **MARK STEVEN HABEDANK, 6426 Cumberland Lake Court, Hamilton, Ohio 45011; DANIEL EDWARD WINES, 5792 Whitechapel Drive, Cincinnati, Ohio 45236; CHRISTOPHER JAMES LEAGUE, 4309 34<sup>th</sup> Avenue, Cincinnati, Ohio 45209; AARON MICHAEL DZIECH, 4118 32<sup>nd</sup> Avenue, Cincinnati, Ohio 45209; and GEORGE EDWIN WHITAKER, 9272 McCaully Road, Sharonville, Ohio 45241-1134**, sell and assign to General Electric Company, a New York Corporation, having an address at 1 River Road, Schenectady, New York 12345, USA, (hereinafter referred to as "Company"), its successors and assigns, our entire respective rights, titles and interests in and to the invention and improvements invented and originated by us and described in the application for United States Patent currently entitled **METHODS AND APPARATUS TO REDUCE SEAL RUBBING WITHIN GAS TURBINE ENGINES**, signed as of even date, and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements or resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

\_\_\_\_\_, 2003

\_\_\_\_\_  
**MARK STEVEN HABEDANK**

STATE OF \_\_\_\_\_ )  
 ) ss.  
 County of \_\_\_\_\_ )

This \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me personally came the above-named **MARK STEVEN HABEDANK**, to me personally known as the individual who

ASSIGNMENT	Attorney Docket No. 134061
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executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:

Notary Public

\_\_\_\_\_, 2003

**DANIEL EDWARD WINES**

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

This \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me personally came the above-named **DANIEL EDWARD WINES**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:

Notary Public

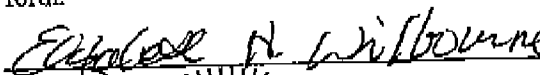
8/24, 2003

  
**CHRISTOPHER JAMES LEAGUE**

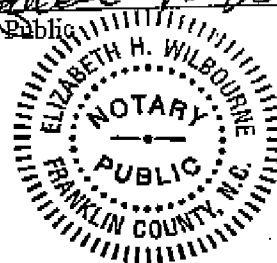
STATE OF NC )  
County of Wake ) ss.

This 26 day of August, 2003, before me personally came the above-named **CHRISTOPHER JAMES LEAGUE**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:

  
Notary Public

1-3-04



ASSIGNMENT	Attorney Docket No. 134061
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\_\_\_\_\_, 2003

**AARON MICHAEL DZIECH**

STATE OF \_\_\_\_\_ )  
 ) ss.  
 County of \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 2003, before me personally came the above-named **AARON MICHAEL DZIECH**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:

\_\_\_\_\_  
Notary Public

\_\_\_\_\_

\_\_\_\_\_, 2003

**GEORGE EDWIN WHITAKER**

STATE OF \_\_\_\_\_ )  
 ) ss.  
 County of \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 2003, before me personally came the above-named **GEORGE EDWIN WHITAKER**, to me personally known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:

\_\_\_\_\_  
Notary Public

\_\_\_\_\_