



11-24-03

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Tab settings

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):
Abhay Sudhakar Rao Kant, Vivek Venugopal Badami, Joseph Robert Toth, Nicholas Giannakopoulos, Mark M. Dimond, and Jitendra Kumar

Additional names(s) of conveying party(ies) Yes No

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

Name: **General Electric Company**

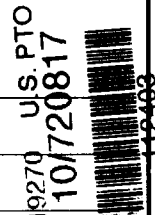
Address: **1 River Road**

City: **Schenectady**

State/Prov.: **NY**

Country: **USA**

ZIP: **12345**



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: **11/13/03; 10/8/03; 10/17/03; 10/17/03; 10/17/03; 10/8/03**

Additional name(s) & address(es) 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: **11/13/03; 10/8/03; 10/17/03; 10/17/03; 10/17/03; 10/8/03**

Patent Application No. Filing date

B. Patent No.(s)

Additional numbers Yes No

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

Name: **Philmore H. Colburn II**

Registration No. **35, 101**

Address: **Cantor Colburn LLP**

55 Griffin Road South

12/03/2003 DBYRNE 00000154 061130 10720817

01 FC:8021 40.00 DA

City: **Bloomfield** State/Prov.: **CT**

Country: **USA** ZIP: **06002**

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:

06-1130

(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.

Michael A. Blake, Reg. No. 42,333

Name of Person Signing

Signature

November 24, 2003

Date

23

Total number of pages including cover sheet, attachments, and

ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we, **Abhay Sudhakar Rao Kant of 35, 1st Main, Domlur Layout, Domlur Bagalore, Karnataka, India 560071; Vivek Venugopal Badami of 731 Huntingdon Drive, Schenectady, NY 12309; Joseph R. Toth of 314 Morning Glory Trail, Power Springs, GA 30127; Nicholas Giannakopoulos of 3694 Autumn View Drive, Acworth, GA 30101; Mark M. Dimond of 5225 Amberton Pass, Powder Springs, GA 31027; and Jitendra Kumar of 2475 Brookshire Drive, Apt. #27, Niskayuna, NY 12309,** hereby 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 the entire right, title and interest in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **METHOD AND APPARATUS FOR DETECTING RUB IN A TURBOMACHINE**, GE Docket Number 133918-1.

- executed concurrently herewith, or
 filed on [date] having Serial Number [Serial Number]

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 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, I/we will communicate to said Company or its representatives or nominees any facts known to me/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.

Inventor 1

Abhay Kant
Abhay Sudhakar Rao Kant

Date: 13 NOV 2003.

Witnessed by: *Krishna Vardhan*
Signature

Date: 13/11/2003

Krishna Vardhan KRISHNA VARDHAN
Printed Name of Witness

Witnessed by: *Soumen De*
Signature

Date: 13/NOV/2003

Soumen De Soumen De
Printed Name of Witness

Inventor 2

_____ Date: _____
Vivek Venugopal Badami

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Vivek Venugopal Badami to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

Inventor 3

_____ Date: _____
Joseph Robert Toth

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Joseph Robert Toth to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal _____
(Notary Public)

Inventor 4

_____ Date: _____
Nicholas Giannakopoulos

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Nicholas Giannakopoulos to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

Inventor 5

_____ Date: _____

Mark M. Dimond

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Mark M. Dimond to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

Inventor 6

_____ Date: _____
Jitendra Kumar

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Jitendra Kumar to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal _____
(Notary Public)

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In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we, **Abhay Sudhakar Rao Kant of 35, 1st Main, Domlur Layout, Domlur Bagalore, Karnataka, India 560071; Vivek Venugopal Badami of 731 Huntingdon Drive, Schenectady, NY 12309; Joseph R. Toth of 314 Morning Glory Trail, Power Springs, GA 30127; Nicholas Giannakopoulos of 3694 Autumn View Drive, Acworth, GA 30101; Mark M. Dimond of 5225 Amberton Pass, Powder Springs, GA 31027; and Jitendra Kumar of 2475 Brookshire Drive, Apt. #27, Niskayuna, NY 12309,** hereby 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 the entire right, title and interest in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **METHOD AND APPARATUS FOR DETECTING RUB IN A TURBOMACHINE**, GE Docket Number 133918-1.

- executed concurrently herewith, or
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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 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, I/we will communicate to said Company or its representatives or nominees any facts known to me/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.

Inventor 1

_____ Date: _____
Abhay Sudhakar Rao Kant

Witnessed by: _____ Date: _____
Signature

Printed Name of Witness

Witnessed by: _____ Date: _____
Signature

Printed Name of Witness

Inventor 2

_____ Date: _____
Vivek Venugopal Badami

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Vivek Venugopal Badami to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal _____
(Notary Public)

Inventor 3

Joseph R. Toth
Joseph Robert Toth

Date: 10/17/2003

State of Georgia SS:

County of Cobb

This 17th day of October, 2003, before me personally came the above named

Joseph Robert Toth to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Gail G. Hollingsworth
(Notary Public)
Notary Public; Cobb County, Georgia
My Commission Expires May 17, 2008

Inventor 4

Nicholas Giannakopoulos
Nicholas Giannakopoulos

Date: 10/17/03

State of Georgia SS:

County of Cobb

This 17th day of October, 20 03, before me personally came the above named

Nicholas Giannakopoulos to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Gail Z. Wallingworth
(Notary Public)

Notary Public, Cobb County, Georgia
My Commission Expires May 17, 2004

Inventor 5

Mark M. Dimond

Date: 10/17/03

Mark M. Dimond

State of Georgia SS:

County of Cobb

This 17th day of October, 2003, before me personally came the above named

Mark M. Dimond to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Paul Z. Hellingworth
(Notary Public)

Notary Public, Cobb County, Georgia
Commission Expires May 17, 2004

Inventor 6

_____ Date: _____
Jitendra Kumar

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Jitendra Kumar to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we, **Abhay Sudhakar Rao Kant of 35, 1st Main, Domlur Layout, Domlur Bagalore, Karnataka, India 560071; Vivek Venugopal Badami of 731 Huntingdon Drive, Schenectady, NY 12309; Joseph R. Toth of 314 Morning Glory Trail, Power Springs, GA 30127; Nicholas Giannakopoulos of 3694 Autumn View Drive, Acworth, GA 30101; Mark M. Dimond of 5225 Amberton Pass, Powder Springs, GA 31027; and Jitendra Kumar of 2475 Brookshire Drive, Apt. #27, Niskayuna, NY 12309,** hereby 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 the entire right, title and interest in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled METHOD AND APPARATUS FOR DETECTING RUB IN A TURBOMACHINE, GE Docket Number 133918-1.

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Inventor 1

_____ Date: _____
Abhay Sudhakar Rao Kant

Witnessed by: _____ Date: _____
Signature

Printed Name of Witness

Witnessed by: _____ Date: _____
Signature

Printed Name of Witness

Inventor 2

Vivek Venugopal Badami
Vivek Venugopal Badami

Date: 10/8/03

State of New York SS:

County of Schenectady

This 8th day of October, 2003, before me personally came the above named

Vivek Venugopal Badami to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Jean Myers
(Notary Public)

JEAN G. MYERS
Notary Public in the State of New York
Qualified in Schenectady Co.
No. 01417500000
My Commission Expires Nov. 11, 2006

Inventor 3

_____ Date: _____
Joseph Robert Toth

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Joseph Robert Toth to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

Inventor 4

_____ Date: _____
Nicholas Giannakopoulos

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Nicholas Giannakopoulos to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

Inventor 5

_____ Date: _____
Mark M. Dimond

State of _____ SS:

County of _____

This _____ day of _____, 20____, before me personally came the above named

Mark M. Dimond to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal _____
(Notary Public)

Inventor 6

Jitendra Kumar

Date: 10/8/03

Jitendra Kumar

State of New York SS:

County of Schenectady

This 8th day of October, 20 03 before me personally came the above named

Jitendra Kumar to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Jean G. Myers
(Notary Public)

JEAN G. MYERS
Notary Public in the State of New York
Qualified in Schenectady Co.
No. 01MY5008500 2006
My Commission Expires Nov. 11, 2006