

09-29-2003

Docket No.: 41PR-134369 (GEN-0381)

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



102560926

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):

Ronald Ciarcia  
Luis Brignoni  
Narender Macha  
Anantharam Subramanian  
Samuel Stephen Kim

Additional names(s) of conveying party(ies)

☐ 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: 8/29/03,9/18/03,9/16/03,9/16/03,8/12/03

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: May 13, 2003

A. Patent Application No.(s)

10/436,642

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Philmore H. Colburn II

Internal Address: Cantor Colburn LLP

09/26/2003 6T0111 00000112 10436642

01 FC:0021

40.00 OP

Street Address: 55 Griffin Road South

City: Bloomfield State: CT 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)

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.*

David Arnold, Reg. No. 48,894

Name of Person Signing

Signature

September 18, 2003

Date

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

31

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: 014522 FRAME: 0509**

**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, **Ronald Ciarcia of 5 Mano Lane, Bristol, CT, 06010; Luis A. Brignoni of 55 Las Palmas de Cerro Gordo, Vega Alta, PR, 00692; Narender Macha of 101, Ananthanilayam, Carona Lane, Chikkadapally, Hyderabad, India - 500 020; Ananthram Subramanian of 410 Uma Towers, Prenderghast Road, Sindhi Colony, Secunderabad 500 003, India; and Samuel Stephen Kim of 465 Wolcott Street, #2, Briston, CT 06010**, 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 my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **CIRCUIT BREAKER MAGNETIC TRIP ASSEMBLY, Docket Number 41PR-134369,**

☐ signed as of even date,

☐ signed as of [date], or

☒ filed on May 13, 2003 having Serial Number 10/436,642

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.

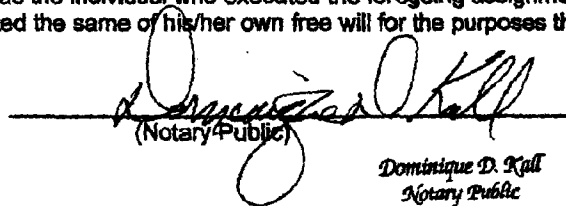
8-29-03;14:57

GE Docket No. 41PR-134369

Inventor 1

Ronald Garcia Date: 8/29/2003  
Ronald GarciaState of CONNECTICUT SS: PLAINVILLE  
County of HARTFORDThis 29<sup>th</sup> day of AUGUST, 2003, before me personally came the above namedRonald Garcia 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)Dominique D. Kull  
Notary Public  
My Commission Expires: 03-31-05

Inventor 2

\_\_\_\_\_ Date: \_\_\_\_\_  
Luis Brignoni

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
                                \_\_\_\_\_  
                                Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
                                \_\_\_\_\_  
                                Printed Name of Witness

Inventor 3

\_\_\_\_\_ Date: \_\_\_\_\_  
Narender Macha

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
\_\_\_\_\_  
                                Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
\_\_\_\_\_  
                                Printed Name of Witness

Inventor 4

\_\_\_\_\_ Date: \_\_\_\_\_  
Ananthram Subramanian

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Inventor 1

\_\_\_\_\_  
Samuel Stephen Kim Date: \_\_\_\_\_

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named

Samuel Stephen Kim 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, **Ronald Ciarcia of 5 Mano Lane, Bristol, CT, 06010; Luis A. Brignoni of 55 Las Palmas de Cerro Gordo, Vega Alta, PR, 00692; Narender Macha of 101, Ananthanilayam, Carona Lane, Chikkadapally, Hyderabad, India - 500 020; Ananthram Subramanian of 410 Uma Towers, Prenderghast Road, Sindhi Colony, Secunderabad 500 003, India; and Samuel Stephen Kim of 465 Wolcott Street, #2, Briston, CT 06010**, 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 my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **CIRCUIT BREAKER MAGNETIC TRIP ASSEMBLY, Docket Number 41PR-134369**,

☐ signed as of even date,

☐ signed as of [date], or

☒ filed on May 13, 2003 having Serial Number 10/436,642

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

\_\_\_\_\_  
Ronald Ciarcia Date: \_\_\_\_\_

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named

Ronald Ciarcia 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)

GE Docket No. 41PR-134369

Inventor 2

Luis Brignoni Date: 9/18/2003

Witnessed by:

Juan Laguer  
Signature  
Printed Name of Witness

Date:

9/17/2003

Witnessed by:

Gerardo Rosales  
Signature  
Printed Name of Witness

Date:

9/18/2003

Inventor 3

\_\_\_\_\_ Date: \_\_\_\_\_  
Narender Macha

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
                                \_\_\_\_\_  
                                Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
                                \_\_\_\_\_  
                                Printed Name of Witness

Inventor 4

\_\_\_\_\_ Date: \_\_\_\_\_  
Ananthram Subramanian

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Inventor 1

\_\_\_\_\_ Date: \_\_\_\_\_  
Samuel Stephen Kim

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named

Samuel Stephen Kim 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, **Ronald Ciarcia of 5 Mano Lane, Bristol, CT, 06010; Luis A. Brignoni of 55 Las Palmas de Cerro Gordo, Vega Alta, PR, 00692; Narender Macha of 101, Ananthanilayam, Carona Lane, Chikkadapally, Hyderabad, India - 500 020; Ananthram Subramanian of 410 Uma Towers, Prenderghast Road, Sindhi Colony, Secunderabad 500 003, India; and Samuel Stephen Kim of 465 Wolcott Street, #2, Briston, CT 06010**, 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 my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **CIRCUIT BREAKER MAGNETIC TRIP ASSEMBLY, Docket Number 41PR-134369**,

☐ signed as of even date,

☐ signed as of [date], or

☒ filed on May 13, 2003 having Serial Number 10/436,642

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: \_\_\_\_\_  
Ronald Ciarcia

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named

Ronald Ciarcia 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 2

\_\_\_\_\_  
Luis Brignoni

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_

Signature

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_

Signature

\_\_\_\_\_  
Printed Name of Witness



GE Docket No. 41PR-134309

Inventor 3

M. Narendar Date: 16<sup>th</sup> Sept '03  
Narendar Macha

Witnessed by: [Signature] Date: 16<sup>th</sup> Sept '03  
Signature  
RAMAKRISHNA KALAGOTLA  
Printed Name of Witness

Witnessed by: [Signature] Date: 16<sup>th</sup> Sept, 2003  
Signature  
ANMOL SINGH SIDHU  
Printed Name of Witness

Inventor 4

\_\_\_\_\_ Date: \_\_\_\_\_  
Ananthram Subramanian

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Inventor 1

\_\_\_\_\_ Date: \_\_\_\_\_  
Samuel Stephen Kim

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named

Samuel Stephen Kim 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, **Ronald Ciarcia of 5 Mano Lane, Bristol, CT, 06010; Luis A. Brignoni of 55 Las Palmas de Cerro Gordo, Vega Alta, PR, 00692; Narender Macha of 101, Ananthanilayam, Carona Lane, Chikkadapally, Hyderabad, India - 500 020; Ananthram Subramanian of 410 Uma Towers, Prenderghast Road, Sindhi Colony, Secunderabad 500 003, India; and Samuel Stephen Kim of 465 Wolcott Street, #2, Briston, CT 06010**, 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 my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **CIRCUIT BREAKER MAGNETIC TRIP ASSEMBLY, Docket Number 41PR-134369**,

☐ signed as of even date,

☐ signed as of [date], or

☒ filed on May 13, 2003 having Serial Number 10/436,642

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

\_\_\_\_\_  
Ronald Ciarcia Date: \_\_\_\_\_

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named

Ronald Ciarcia 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 2

\_\_\_\_\_ Date: \_\_\_\_\_  
Luis Brignoni


Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                    Signature  
                    \_\_\_\_\_  
                    Printed Name of Witness


Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                    Signature  
                    \_\_\_\_\_  
                    Printed Name of Witness




GE Docket No. 41PR-134369

Inventor 4

 Date: 09.16.2003  
Ananthram Subramanian

Witnessed by:  Date: 15<sup>th</sup> Sep 03  
Signature  
GIRISH M  
Printed Name of Witness

Witnessed by:  Date: 16<sup>th</sup> Sep 03  
Signature  
NITYANAND S SHETTY  
Printed Name of Witness



Inventor 1

\_\_\_\_\_ Date: \_\_\_\_\_  
Samuel Stephen Kim

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named  
Samuel Stephen Kim 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, **Ronald Ciarcia of 5 Mano Lane, Bristol, CT, 06010; Luis A. Brignoni of 55 Las Palmas de Cerro Gordo, Vega Alta, PR, 00692; Narender Macha of 101, Ananthanilayam, Carona Lane, Chikkadapally, Hyderabad, India - 500 020; Ananthram Subramanian of 410 Uma Towers, Prenderghast Road, Sindhi Colony, Secunderabad 500 003, India; and Samuel Stephen Kim of 465 Wolcott Street, #2, Briston, CT 06010**, 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 my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **CIRCUIT BREAKER MAGNETIC TRIP ASSEMBLY, Docket Number 41PR-134369**,

☐ signed as of even date,

☐ signed as of [date], or

☒ filed on May 13, 2003 having Serial Number 10/436,642

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

\_\_\_\_\_  
Ronald Ciarcia Date: \_\_\_\_\_

State of \_\_\_\_\_ SS:  
County of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above named

Ronald Ciarcia 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 2

\_\_\_\_\_  
Luis Brignoni

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

1

✓

✓

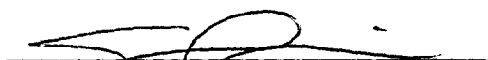
Inventor 4

\_\_\_\_\_ Date: \_\_\_\_\_  
Ananthram Subramanian

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
\_\_\_\_\_  
                                Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
                                Signature  
\_\_\_\_\_  
                                Printed Name of Witness

Inventor 1

 Date: 8/12/03

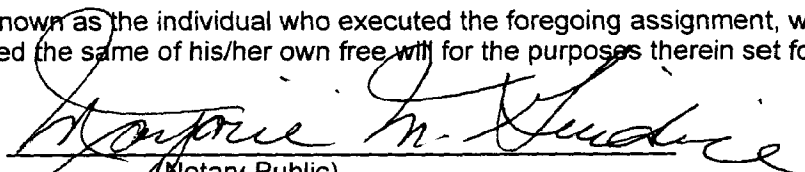
Samuel Stephen Kim

State of Connecticut ss: Plainville  
County of Hartford

This 12<sup>th</sup> day of August, 2003, before me personally came the above named

Samuel Stephen Kim 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)

MARJORIE M. GIUDICE  
NOTARY PUBLIC  
MY COMMISSION EXPIRES FEB. 28, 2005