

RE

09-09-2002

Docket No.: 08CN7273-4

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Tab settings → → →

SEP 03 2002



102215916

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

1. Name of conveying party(ies):

Karithik Balakrishnan  
Danny L. McNeil  
Martin Herke Oyevaar  
Claude Tinney

9.3.02

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

Name: General Electric Company

Address: One River Road

Additional names(s) of conveying party(ies)

☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

City: Schenectady State/Prov.: NY

Country: USA ZIP: 12345

Execution Date: 6/7/02, 6/10/02, 6/17/02, 6/10/02

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:

Patent Application No.

Filing date

B. Patent No.(s)

10/064,164

June 17, 2002

Additional numbers

☐ Yes ☒ No

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

Name: Pamela J. Curbelo

Registration No. 34,676

Address: Cantor Colburn LLP

55 Griffin Road South

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:

07-0862

(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.

Pamela J. Curbelo Reg. No. 34,676

Name of Person Signing

Signature

August 26, 2002

Date

Total number of pages including cover sheet, attachments, and

65

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

PATENT  
REEL: 013257 FRAME: 0014

10064164

07-0862

09/04/2002 LUMELER 00000136 07-0862 01 FEB 01



RECORDATION COVER SHEET  
**PATENTS ONLY**  
(ADDITIONAL INVENTORS)

Name of Conveying Party

Cornelis Adrianus Maria van Gool

Anthony Warren

Xiaolin Wu

Mingjie Zhu

Execution Date

06/10/02

06/13/02

08/22/02

06/21/02

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, we, **Karithik Balakrishnan of 54 Woodlake Road, Apt. 1, Albany, NY 12203; Danny L. McNeil of 5738 East Dogwood Trail, Greenville, AL 36037; Martin Herke Oyevaar of Valckeslotlaan 149 4461 SC, Goes Netherlands; Claude Tinney of 8531 Plantation Ridge Road, Montgomery, AL 36116; Cornelis Adrianus Maria van Gool of Fluwijnberg 89 4708 CA, Roosendaal, Netherlands; Anthony Warren of 3717 Rolling Rock Drive, Evansville, IN 47711; Xiaolin Wu of 201 Maple Avenue, Apt. #E14B, Ithaca, NY 14850; and Mingjie Zhu of 133 Charity Circle, Evansville, IN 47710** sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in **PROCESS FOR DETECTING THE LOCATION OF A PHASE INTERFACE** invented by us, as described in the application for United States Patent executed concurrently herewith, which claims priority to **U.S. Patent Application Serial No. 09/778,157 filed February 6, 2001 which claims priority to PCT Patent Application Serial No. US00/25784 filed September 21, 2000**, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions 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 improvements or resulting therefrom to said General Electric 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 me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing 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 improvements in all countries.

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Karithik Balakrishnan**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Danny L. McNeil**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Martin Herke Oyevaar**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Claude Tinney**

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

Signature

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

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

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

Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Cornelis Adrianus Maria van Gool**

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

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

Signature

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

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

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

Signature

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



Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Anthony Warren**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Xiaolin Wu**

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

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

Signature

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

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

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

Signature

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

Signed at town of Ant. Vernon, State of Indiana, this 21 day of June, 2002.

Inventor:

Mingjie Zhu

Mingjie Zhu

Witnessed by: Vicki A Morris

Signature

Date: 6-21-02

VICKI A. MORRIS

Printed Name of Witness

Witnessed by: Katherine Glasgow

Signature

Date: 6-21-02

Katherine Glasgow

Printed Name of Witness

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, we, **Karithik Balakrishnan of 54 Woodlake Road, Apt. 1, Albany, NY 12203; Danny L. McNeil of 5738 East Dogwood Trail, Greenville, AL 36037; Martin Herke Oyevaar of Valckeslotlaan 149 4461 SC, Goes Netherlands; Claude Tinney of 8531 Plantation Ridge Road, Montgomery, AL 36116; Cornelis Adrianus Maria van Gool of Fluwijnberg 89 4708 CA, Roosendaal, Netherlands; Anthony Warren of 3717 Rolling Rock Drive, Evansville, IN 47711; Xiaolin Wu of 201 Maple Avenue, Apt. #E14B, Ithaca, NY 14850; and Mingjie Zhu of 133 Charity Circle, Evansville, IN 47710** sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in **PROCESS FOR DETECTING THE LOCATION OF A PHASE INTERFACE** invented by us, as described in the application for United States Patent executed concurrently herewith, which claims priority to **U.S. Patent Application Serial No. 09/778,157 filed February 6, 2001 which claims priority to PCT Patent Application Serial No. US00/25784 filed September 21, 2000**, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions 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 improvements or resulting therefrom to said General Electric 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 me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing 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 improvements in all countries.

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Karithik Balakrishnan**

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

Signature

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Danny L. McNeil**

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

Signature

\_\_\_\_\_

Printed Name of Witness

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

Signature

\_\_\_\_\_

Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Martin Herke Oyevaar**

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

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

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Claude Tinney**

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

Signature

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

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

Signature

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



Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_

**Cornelis Adrianus Maria van Gool**

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

Signature

\_\_\_\_\_

Printed Name of Witness

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

Signature

\_\_\_\_\_

Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Anthony Warren**

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

Signature

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

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

Signature

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

Signed at town of ITHACA, State of NY, this 22<sup>th</sup> day of AUGUST, 2002.

Inventor:

Xiaolin Wu  
Xiaolin Wu

Witnessed by: Bailun Wu Date: 8/22/02  
Signature

BAILUN WU  
Printed Name of Witness

Witnessed by: Fengyun Yang Date: 8/22/02  
Signature

FENGYUN YANG  
Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Mingjie Zhu**

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

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

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

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

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, we, **Karithik Balakrishnan of 54 Woodlake Road, Apt. 1, Albany, NY 12203; Danny L. McNeil of 5738 East Dogwood Trail, Greenville, AL 36037; Martin Herke Oyevaar of Valckeslotlaan 149 4461 SC, Goes Netherlands; Claude Tinney of 8531 Plantation Ridge Road, Montgomery, AL 36116; Cornelis Adrianus Maria van Gool of Fluwijnberg 89 4708 CA, Roosendaal, Netherlands; Anthony Warren of 3717 Rolling Rock Drive, Evansville, IN 47711; Xiaolin Wu of 201 Maple Avenue, Apt. #E14B, Ithaca, NY 14850; and Mingjie Zhu of 133 Charity Circle, Evansville, IN 47710** sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in **PROCESS FOR DETECTING THE LOCATION OF A PHASE INTERFACE** invented by us, as described in the application for United States Patent executed concurrently herewith, which claims priority to **U.S. Patent Application Serial No. 09/778,157 filed February 6, 2001 which claims priority to PCT Patent Application Serial No. US00/25784 filed September 21, 2000**, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions 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 improvements or resulting therefrom to said General Electric 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 me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing 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 improvements in all countries.

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Karithik Balakrishnan**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Danny L. McNeil**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Martin Herke Oyevaar**

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

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

Signature

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

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

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

Signature

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



Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Claude Tinney**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Cornelis Adrianus Maria van Gool**

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

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

Signature

\_\_\_\_\_

Printed Name of Witness

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

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

Signature

\_\_\_\_\_

Printed Name of Witness

Signed at town of Mt Vernon, State of Indiana, this 13<sup>th</sup> day of JUNE, 2002.

Inventor:



Anthony Warren

Witnessed by: Audrey R. Fox

Signature

Date: 6-13-02

Audrey R. Fox

Printed Name of Witness

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

Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Xiaolin Wu**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Mingjie Zhu**

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

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

Signature

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

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

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

Signature

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

ASSIGNMENT

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Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Karithik Balakrishnan**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Danny L. McNeil**

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

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

Signature

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

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

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

Signature

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



Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Martin Herke Oyevaar**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Claude Tinney**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of NETHERLAND, this 10 day of JUNE, 2002.

Bergen op Zoom

Inventor:

  
\_\_\_\_\_  
Cornelis Adrianus Maria van Gool

Witnessed by:

  
\_\_\_\_\_  
Signature

Date: JUNE 10, 2002

FRANK GOMMER

Printed Name of Witness

Witnessed by:

  
\_\_\_\_\_  
Signature

Date: JUNE 10, 2002

FARHAD Hosseinian

Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Anthony Warren**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Xiaolin Wu**

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

Signature

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

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

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

Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Mingjie Zhu**

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

Signature

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

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

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

Signature

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

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

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, we, **Karithik Balakrishnan of 54 Woodlake Road, Apt. 1, Albany, NY 12203; Danny L. McNeil of 5738 East Dogwood Trail, Greenville, AL 36037; Martin Herke Oyevaar of Valckeslotlaan 149 4461 SC, Goes Netherlands; Claude Tinney of 8531 Plantation Ridge Road, Montgomery, AL 36116; Cornelis Adrianus Maria van Gool of Fluwijnberg 89 4708 CA, Roosendaal, Netherlands; Anthony Warren of 3717 Rolling Rock Drive, Evansville, IN 47711; Xiaolin Wu of 201 Maple Avenue, Apt. #E14B, Ithaca, NY 14850; and Mingjie Zhu of 133 Charity Circle, Evansville, IN 47710** sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in **PROCESS FOR DETECTING THE LOCATION OF A PHASE INTERFACE** invented by us, as described in the application for United States Patent executed concurrently herewith, which claims priority to **U.S. Patent Application Serial No. 09/778,157 filed February 6, 2001 which claims priority to PCT Patent Application Serial No. US00/25784 filed September 21, 2000**, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions 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 improvements or resulting therefrom to said General Electric 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 me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing 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 improvements in all countries.

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Karithik Balakrishnan**

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

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

Signature

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

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

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


Signature

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

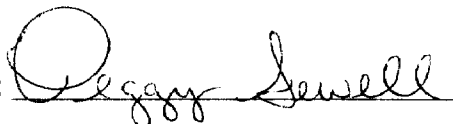


Signed at town of Montgomery, State of Alabama, this 10<sup>th</sup> day of June, 2002.

Inventor:



Danny L. McNeil

Witnessed by:   
Signature

Date: 6-10-02

Peggy Sewell  
Printed Name of Witness

Witnessed by:   
Signature

Date: 6/10/02

Teresa Gaylor  
Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Martin Herke Oyevaar**

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

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

Signature

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

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

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

Signature

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

Signed at town of Montgomery, State of ALABAMA, this 10 day of June, 2002.

Inventor:

Claude Tinney  
Claude Tinney

Witnessed by: Peggy Sewell  
Signature

Date: 6/10/02

Peggy Sewell  
Printed Name of Witness

Witnessed by: Teresa Gaylor  
Signature

Date: 6/10/02

Teresa Gaylor  
Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Cornelis Adrianus Maria van Gool**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Anthony Warren**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Xiaolin Wu**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Mingjie Zhu**

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

Signature

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

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

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

Signature

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

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

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, we, **Karithik Balakrishnan of 54 Woodlake Road, Apt. 1, Albany, NY 12203; Danny L. McNeil of 5738 East Dogwood Trail, Greenville, AL 36037; Martin Herke Oyevaar of Valckeslotlaan 149 4461 SC, Goes Netherlands; Claude Tinney of 8531 Plantation Ridge Road, Montgomery, AL 36116; Cornelis Adrianus Maria van Gool of Fluwijnberg 89 4708 CA, Roosendaal, Netherlands; Anthony Warren of 3717 Rolling Rock Drive, Evansville, IN 47711; Xiaolin Wu of 201 Maple Avenue, Apt. #E14B, Ithaca, NY 14850; and Mingjie Zhu of 133 Charity Circle, Evansville, IN 47710** sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in **PROCESS FOR DETECTING THE LOCATION OF A PHASE INTERFACE** invented by us, as described in the application for United States Patent executed concurrently herewith, which claims priority to **U.S. Patent Application Serial No. 09/778,157 filed February 6, 2001 which claims priority to PCT Patent Application Serial No. US00/25784 filed September 21, 2000**, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions 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 improvements or resulting therefrom to said General Electric 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 me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing 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 improvements in all countries.



Signed at town of Mount Vernon State of IN, this 7<sup>th</sup> day of June, 2002.

Inventor:

Karthik

Karthik Balakrishnan

Witnessed by: David E. Albright  
Signature

Date: 6-7-02

DAVID E. ALBRIGHT

Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 6-7-02

AUBEN W. KO

Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
Danny L. McNeil

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

Signature

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

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

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

Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Martin Herke Oyevaar**

Witnessed by: \_\_\_\_\_  
Signature

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

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

Witnessed by: \_\_\_\_\_  
Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
Claude Tinney

Witnessed by: \_\_\_\_\_  
Signature

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

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

Witnessed by: \_\_\_\_\_  
Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Cornelis Adrianus Maria van Gool**

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

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

Signature

\_\_\_\_\_

Printed Name of Witness

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

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

Signature

\_\_\_\_\_

Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Anthony Warren**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
Xiaolin Wu

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Mingjie Zhu**

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

Signature

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

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

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

Signature

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

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



ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, of which we acknowledge receipt, we, **Karithik Balakrishnan of 54 Woodlake Road, Apt. 1, Albany, NY 12203; Danny L. McNeil of 5738 East Dogwood Trail, Greenville, AL 36037; Martin Herke Oyeveaar of Valckeslotlaan 149 4461 SC, Goes Netherlands; Claude Tinney of 8531 Plantation Ridge Road, Montgomery, AL 36116; Cornelis Adrianus Maria van Gool of Fluwijnberg 89 4708 CA, Roosendaal, Netherlands; Anthony Warren of 3717 Rolling Rock Drive, Evansville, IN 47711; Xiaolin Wu of 201 Maple Avenue, Apt. #E14B, Ithaca, NY 14850; and Mingjie Zhu of 133 Charity Circle, Evansville, IN 47710** sell and assign to General Electric Company, a New York Corporation, its successors and assigns the entire right, title and interest in and to the improvements in **PROCESS FOR DETECTING THE LOCATION OF A PHASE INTERFACE** invented by us, as described in the application for United States Patent executed concurrently herewith, which claims priority to **U.S. Patent Application Serial No. 09/778,157 filed February 6, 2001 which claims priority to PCT Patent Application Serial No. US00/25784 filed September 21, 2000**, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions 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 improvements or resulting therefrom to said General Electric 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 me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing 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 improvements in all countries.

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Karithik Balakrishnan**

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

Signature

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

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

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

Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Danny L. McNeil**

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

Signature

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

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

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

Signature

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

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

Signed at town of Bergen op Zoom, State of NETHERLANDS, this 17 day of June, 2002.

Inventor:

Martin Herke Oyevaar

Witnessed by:

Laurus van der Wette  
Signature

Date:

17-6-2002

Laurus van der Wette

Printed Name of Witness

Witnessed by:

Stephan Bouwens  
Signature

Date:

17-6-2002

Stephan Bouwens

Printed Name of Witness

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Claude Tinney**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Cornelis Adrianus Maria van Gool**

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

Signature

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

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

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

Signature

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

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Anthony Warren**

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

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

Signature

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

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

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

Signature

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

Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Xiaolin Wu**

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

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

Signature

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

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

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

Signature

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



Signed at town of \_\_\_\_\_, State of \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2002.

Inventor:

\_\_\_\_\_  
**Mingjie Zhu**

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

Signature

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

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

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

Signature

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

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