

Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2012)

MR2349-2366

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

YIJ CHIEH CHU
YUN-ZONG TIAN

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

2. Name and address of receiving party(ies)

Name: INOTERA MEMORIES, INC.

Internal Address: _____

Street Address: NO. 667, FUSING 3RD RD., GUEISHAN

TOWNSHIP _____

City: TAOYUAN COUNTY 333

State: _____

Country: TAIWAN, R.O.C. Zip: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 9/22/2011; 9/22/2011

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No. (s)

13/240,348

B. Patent No. (s)

Additional numbers attached? Yes No

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

Name: MORTON J. ROSENBERG, ESQ.

Internal Address: ROSENBERG KLEIN & LEE

Street Address: 3458 ELLICOTT CENTER DRIVE, SUITE 101

City: ELLICOTT CITY

State: MARYLAND Zip: 21043

Phone Number: 410-465-6678

Fax Number: 410-461-3067

Email Address: rkl@rklpatlaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 50-5298

Authorized User Name ROSENBERG KLEIN & LEE

9. Signature



Signature

9/22/2011

Date

MORTON J. ROSENBERG
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

Customer No. 04586
Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Patent Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT

700472003

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ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (Invention Title) FAULT DETECTION METHOD OF SEMICONDUCTOR MANUFACTURING PROCESSES AND SYSTEM ARCHITECTURE THEREOF

The PATENT RIGHTS referred to in this agreement are:

- (Check one) a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment
 - U.S. Patent Application Serial No. 13/240,348 filed 9/22/2011
 - U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

- (Check one) U.S. Patent rights only
- worldwide Patent rights. In this case, the Assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of sole or first inventor) YIJ CHIEH CHU (FAMILY NAME: CHU)
 (Address) 3E, NO. 24-1, LANE 83, WUNHUA N. RD., SANCHONG DIST., NEW TAIPEI CITY 241, TAIWAN, R.O.C.

(Full name of second joint inventor, if any) YUN-ZONG TIAN (FAMILY NAME: TIAN)
 (Address) NO. 111, YINGLIN LANE, HESHENG ST., SHIHGANG DIST., TAICHUNG CITY 422, TAIWAN, R.O.C.

(Full name of third joint inventor, if any) _____
 (Address) _____

(Full name of fourth joint inventor, if any) _____
 (Address) _____

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) INOTERA MEMORIES, INC.
 (Address of Assignee) NO. 667, FUSING 3RD RD., GUEISHAN TOWNSHIP, TAoyuan COUNTY 333, TAIWAN, R.O.C.

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) _____
 (Address of Assignee) _____

The First ASSIGNEE is:

- (Check one) an individual
- a partnership
- a Corporation of TAIWAN, R.O.C.
 (State of Country)

The Second ASSIGNEE is:

- (Check one) an individual
- a partnership
- a Corporation of _____
 (State of Country)

The ASSIGNOR(S), in consideration of \$ 1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the Invention;
 an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(s) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

<u>YIJ CHIEH CHU</u> (Signature of sole or first inventor)	<u>SEP. 22, 2011</u> (Date)
<u>YUN-ZONG TIAN</u> (Signature of second inventor, if any)	<u>SEP. 22, 2011</u> (Date)
_____ (Signature of third inventor, if any)	_____ (Date)
_____ (Signature of fourth inventor, if any)	_____ (Date)