

09-21-2001

FORM PTO-1619A

Expires 06/30/99  
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U.S. Department of Commerce  
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**PATENT**

101852272

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1ce21 U.S. PTO  
09/952848  
09/14/01

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- New 09/14/01
- Resubmission (Non-Recordation)
- Document ID#
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**Conveyance Type**

- Assignment  Security Agreement
- License  Change of Address
- Merger  Other
- Departmental File  Secret File

*U.S. Government*  
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**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1) BUCKHEIT, Jonathan B.

Execution Date  
Month Day Year  
Sept. 14, 2001

Name (line 2)

**Second Party**

Name (line 1) WANG, Weidong

Execution Date  
Month Day Year  
Sept. 14, 2001

Name (line 2)  09/952848

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) YIELD DYNAMICS, INC.

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1) 986 Walsh Avenue

Address (line 2)

Address (line 3) Santa Clara California 95050

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name (line 1) Gary, Cary, Ware & Freidenrich

Address (line 1) 1755 Embarcadero Road

Address (line 2) Palo Alto, California 94303-3340

Address (line 3) Patent Department

Address (line 4)

09/18/2001 SSITHIB1 00000023 09952848

03 FC:541

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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Gray Cary\EM\7087594.1  
1090439-991960

**PATENT**  
**REEL: 012172 FRAME: 0366**

**Correspondent Name and Address**

Area Code and Telephone Number

(650) 320-2052

Name David L. Alberti (43,465)

Address (line 1) 1755 Embarcadero Road

Address (line 2) Palo Alto, California 94303-3340

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 03 Pages

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year  
Sept. 14, 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ \$40.00

Method of Payment:  
Deposit Account

Enclosed

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 07-1896

Authorization to charge additional fees:

Yes

No

**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. Charges to deposit account are authorized, as indicated herein.

David L. Alberti, Reg. No. 43,465  
Name of Person Signing

Signature

September 14 2001  
Date

## ASSIGNMENT

WHEREAS, JONATHAN B. BUCKHEIT and WEIDONG WANG made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled **SYSTEM AND METHOD FOR ANALYZING ERROR INFORMATION FROM A SEMICONDUCTOR FABRICATION PROCESS**

\_\_\_\_\_ issued as U.S Patent No. \_\_\_\_\_  
\_\_\_\_\_ filed as U. S. Serial No. \_\_\_\_\_ on \_\_\_\_\_  
X filed herewith

WHEREAS, YIELD DYNAMICS, INC., whose address is 986 Walsh Avenue, Santa Clara, CA 95050, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, effective as of the date this document is executed, hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely

as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF

Date 9/14, 2001

Jonathan B. Buckheit  
JONATHAN B. BUCKHEIT

ALL-PURPOSE ACKNOWLEDGMENT

State of California )  
County of Santa Clara )SS.

On Sept. 14, 2001 before me, Susan PINGUE personally appeared Jonathan B. Buckheit, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Susan Pingue  
Notary's Signature

[Notary Seal]



Date 09-14, 2001

Weidong Wang  
WEIDONG WANG

**ALL-PURPOSE ACKNOWLEDGMENT**

State of California )  
County of Santa Clara )SS.

On Sept. 14, 2001 before me, Susan Pingue personally appeared Weidong Wang, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Susan Pingue  
Notary's Signature

[Notary Seal]

