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Disclosure No. 03-0128



102584078

Form PTO-1595 (Rev. 10/02, modified)	RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. Department of Commerce Patent and Trademark Office
To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): Trung T. Doan		2. Name/address of receiving party(ies): Micron Technology, Inc. 8000 South Federal Way P.O. Box 6 Boise, Idaho 83706-9632	
Add'l names of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		22264 U.S. PTO 10/687458 101503	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Reassignment Execution date: September 14, 2003		Add'l names of receiving parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Application number(s) and/or patent number(s): If this document is being filed with a new application, the date of signature by the first named inventor was: <u>September 14, 2003</u> A. Patent Application No.(s) B. Patent No.(s)			
Additional numbers attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Customer No. 25096 Perkins Coie LLP P.O. Box 1247 Seattle, Washington 98111-1247 (206) 359-8000		6. Total No. of applications and patents involved: <u>one (1)</u>	
		7. Total fee (37 CFR §3.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge Deposit Account No. 50-0665	
		8. Deposit Account No. <u>50-0665</u> (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature: <i>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.</i>			
David T. Dutcher			
Name of Person Signing		Signature	
		October 15, 2003	
		Date	
Total number of pages, including cover sheet, attachments and document: <u>7</u>			

ASSIGNMENT

THIS ASSIGNMENT is by David J. Kubista, Trung T. Doan, Lyle D. Breiner, Ronald A. Weimer, Kevin L. Beaman, Er-Xuan Ping, Lingyi A. Zheng and Cem Basceri (the "Assignors"), residing at 13389 Skyview Street, Nampa, Idaho 83686; 1106 Teakwood Trail, Pflugerville, Texas 78660-2854; 3050 Val Vista Court, Meridian, Idaho 83642; 1696 E. Victory Road, Boise, Idaho 83706; 4402 Redhawk Avenue, Boise, Idaho 83716; 2239 E. Chateau Drive, Meridian, Idaho 83642; 2535 E. Red Cedar Lane, #202, Boise, Idaho 83716; and 314 E. Iowa Drive, Boise, Idaho 83706, respectively. We Assignors have invented one or more certain inventions (the "Invention(s)") described in a United States Patent Application entitled SYSTEMS FOR DEPOSITING MATERIAL ONTO WORKPIECES IN REACTION CHAMBERS AND METHODS FOR REMOVING BYPRODUCTS FROM REACTION CHAMBERS (the "Application") and ☒ executed concurrently herewith; or ☐ filed on _____ as Application No. _____. We Assignors authorize the Assignee, identified below, or its representatives to insert the filing date and application number of the Application when known.

Micron Technology, Inc., a corporation of the State of Delaware having a place of business at 8000 South Federal Way, P.O. Box 6, Boise, Idaho 83706-9632 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the

Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

* * * * *

Date: _____
David J. Kubista

STATE OF _____
COUNTY OF _____

On _____ before me, _____,
personally appeared David J. Kubista, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal) _____
Signature

* * * * *

* * * * *

Date: 9/14/03

Trung T. Doan
Trung T. Doan

STATE OF California
COUNTY OF Santa Clara

On Sept. 19 2003 before me, Archana R. Kiri, personally appeared Trung T. Doan, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)



Archana R. Kiri
Signature

WITNESS TO SIGNATURE BY Trung T. Doan

Trung T. Doan
Signature
Trung T. Doan
Print Name

9/19/03
Date

Street Address

City, State or Country & Zip Code

* * * * *

* * * * *

Date: _____
Lyle D. Breiner

STATE OF _____
COUNTY OF _____

On _____ before me, _____,
personally appeared Lyle D. Breiner, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that
by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal) _____
Signature

* * * * *

Date: _____
Ronald A. Weimer

STATE OF _____
COUNTY OF _____

On _____ before me, _____,
personally appeared Ronald A. Weimer, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within
instrument and acknowledged to me that he/she executed the same in his/her authorized
capacity, and that by his/her signature on the instrument the person, or the entity upon behalf
of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal) _____
Signature

* * * * *

* * * * *

Date: _____

Kevin L. Beaman

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Kevin L. Beaman, personally known to me (or proved to me on the basis
of satisfactory evidence) to be the person whose name is subscribed to the within instrument
and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

Date: _____

Er-Xuan Ping

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Er-Xuan Ping, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that
by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

* * * * *

Date: _____
Lingyi A. Zheng

STATE OF _____
COUNTY OF _____

On _____ before me, _____,
personally appeared Lingyi A. Zheng, personally known to me (or proved to me on the basis
of satisfactory evidence) to be the person whose name is subscribed to the within instrument
and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal) _____
Signature

* * * * *

Date: _____
Cem Basceri

STATE OF _____
COUNTY OF _____

On _____ before me, _____,
personally appeared Cem Basceri, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that
by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal) _____
Signature

* * * * *

COPY**ASSIGNMENT**

THIS ASSIGNMENT is by David J. Kubista, Trung T. Doan, Lyle D. Breiner, Ronald A. Weimer, Kevin L. Beaman, Er-Xuan Ping, Lingyi A. Zheng and Cem Basceri (the "Assignors"), residing at 13389 Skyview Street, Nampa, Idaho 83686; 1106 Teakwood Trail, Pflugerville, Texas 78660-2854; 3050 Val Vista Court, Meridian, Idaho 83642; 1696 E. Victory Road, Boise, Idaho 83706; 4402 Redhawk Avenue, Boise, Idaho 83716; 2239 E. Chateau Drive, Meridian, Idaho 83642; 2535 E. Red Cedar Lane, #202, Boise, Idaho 83716; and 314 E. Iowa Drive, Boise, Idaho 83706, respectively. We Assignors have invented one or more certain inventions (the "Invention(s)") described in a United States Patent Application entitled SYSTEMS FOR DEPOSITING MATERIAL ONTO WORKPIECES IN REACTION CHAMBERS AND METHODS FOR REMOVING BYPRODUCTS FROM REACTION CHAMBERS (the "Application") and ☒ executed concurrently herewith; or ☐ filed on _____ as Application No. _____. We Assignors authorize the Assignee, identified below, or its representatives to insert the filing date and application number of the Application when known.

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For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the

Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

* * * * *

Date: _____
David J. Kubista

STATE OF _____
COUNTY OF _____

On _____ before me, _____,
personally appeared David J. Kubista, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

Date: 9/14/03

Trung T. Doan
Trung T. Doan

STATE OF California

COUNTY OF Santa Clara

On Sept. 19 2003 before me, Archana R. Kiri, personally appeared Trung T. Doan, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)



Archana R. Kiri
Signature

WITNESS TO SIGNATURE BY Trung T. Doan

Trung T. Doan
Signature

Trung T. Doan
Print Name

Street Address

City, State or Country & Zip Code

9/19/03
Date

* * * * *

Date: _____

Lyle D. Breiner

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Lyle D. Breiner, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that
by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

Date: _____

Ronald A. Weimer

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Ronald A. Weimer, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within
instrument and acknowledged to me that he/she executed the same in his/her authorized
capacity, and that by his/her signature on the instrument the person, or the entity upon behalf
of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

* * * * *

Date: _____

Kevin L. Beaman

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Kevin L. Beaman, personally known to me (or proved to me on the basis
of satisfactory evidence) to be the person whose name is subscribed to the within instrument
and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

Date: _____

Er-Xuan Ping

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Er-Xuan Ping, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that
by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

* * * * *

Date: _____

Lingyi A. Zheng

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Lingyi A. Zheng, personally known to me (or proved to me on the basis
of satisfactory evidence) to be the person whose name is subscribed to the within instrument
and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *

Date: _____

Cem Basceri

STATE OF _____

COUNTY OF _____

On _____ before me, _____,
personally appeared Cem Basceri, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that
by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Signature

* * * * *