

11-01-2004

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
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102871473
PATENTS ONLY

10/25/04

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)/Execution Date(s):Michael Cordoba
Hal Butler

Execution Date(s) 4 Oct. 2004; 13 Oct. 2004

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

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

2. Name and address of receiving party(ies)Name: Micron Technology, Inc.

Internal Address: _____

Street Address: 8000 S. Federal WayCity: BoiseState: IDCountry: US Zip: 83707-006Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Richard J. Coldren

Internal Address: _____

Street Address: One Oxford Centre301 Grant Street, 14th FloorCity: PittsburghState: PA Zip: 15219-1425Phone Number: 412-394-2442Fax Number: 412-394-2555

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:Richard J. Coldren

Signature

25 October 2004

Date

Richard J. Coldren

Name of Person Signing

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

6

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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PATENT

Attorney's Docket No. DB001129-000

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
☐ U.S. Provisional Application
For: ☐ U.S. Patent
For: ☒ PCT Application
By: ☒ Inventor(s) or ☐ Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Inventor(s) or person(s) or
entity(ies) who own the
invention

Michael Cordoba
(type or print name(s) of ASSIGNOR(S))

P.O. Box 170262
Boise, ID 83717-0262
Address

US
Citizenship

Hal Butler
(type or print name(s) of ASSIGNOR(S))

7707 Vallejo Road
Boise, ID 83709
Address

US
Citizenship

COPY

*(if assignment is by person or entity to whom invention was previously assigned
and this was recorded in PTO, add the following)*

Recorded on _____ Reel _____
Frame _____

hereby sells, assigns and transfers to

ASSIGNEE:

Micron Technology, Inc.
(type or print name(s) of ASSIGNEE(S))

8000 S. Federal Way
Address

Boise, ID 83707-0006

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE
(complete one of the following)

- ☒ the entire right, title and interest
☐ an undivided _____ percent (_____ %) interest for the
United States and its territorial possession

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority, in and to
any and all improvements which are disclosed in the invention entitled:

VOLTAGE CHARGE PUMP AND METHOD OF OPERATING THE SAME

Name of inventor(s) Michael Cordoba, Hal Butler

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
(c) ☐ U.S. provisional application naming the above inventor(s) for the above
entitled invention.
☐ Express mail label no. _____
Mailed: _____
☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, and
ASSIGNOR signing below, hereby authorize and request my attorney to
insert below the filing date and application number when they become
known.
(d) ☐ U.S. application no. _____
filed on _____

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- (e) ☐ International application no. PCT/_____/_____
(f) ☐ U.S. patent no. _____ issued _____
☐ A change of address to which correspondence is to be sent
regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to
claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or
any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or
re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance
has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided
promptly with all pertinent facts and documents relating to said invention and said Letters
Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as
to the same in any interference, litigation or proceeding related thereto and will promptly
execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments
or affidavits required to apply for, obtain, maintain, issue and enforce said application, said
invention and said Letter Patent and said equivalents thereof which may be necessary or
desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 10th day of
Oct, 2004
Date of Signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a)
was checked above.

Date: Oct 4, 2004

Richard V. Carls
Signature of ASSIGNOR(S)

Date: 10-13-04

Hel Bush

Date:

(if ASSIGNOR is a legal entity, complete the following information)

(type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

Title

Note: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it
will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

☒ Notarization or Legalization Page Added.

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PATENT
Attorney's Docket No. DB001129-000

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NOTE: Executing this page is not required for assignment, and is only prima facie evidence of execution, 35 USC 261.

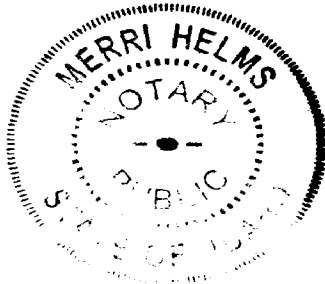
Details of Country US

And place of signing of assignment ADA COUNTY
STATE OF IDAHO

Before me this 4th day of OCTOBER 2004, personally appeared the above named individuals(s), to me known to be the person(s) who ☒ is ☐ are described in, and who executed the foregoing assignment instrument and acknowledged to me that

<input checked="" type="checkbox"/> he		<input checked="" type="checkbox"/> his
<input type="checkbox"/> she	executed the same of	<input type="checkbox"/> her
<input type="checkbox"/> they		<input type="checkbox"/> their

own free will for the purpose therein expressed.



Merri Helms
Notary Public or Consular Officer of the
United States of America *exp: 3/25/2010*

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PATENT
Attorney's Docket No. DB001129-000

NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT

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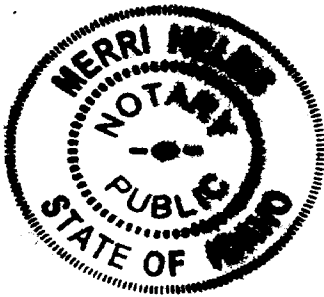
Details of Country US

And place of signing of assignment ADA COUNTY
STATE OF IDAHO

Before me this 13th day of OCTOBER 2004, personally appeared the above named individuals(s), to me known to be the person(s) who ☒ is ☐ are described in, and who executed the foregoing assignment instrument and acknowledged to me that

<input checked="" type="checkbox"/> he		<input checked="" type="checkbox"/> his
<input type="checkbox"/> she	executed the same of	<input type="checkbox"/> her
<input type="checkbox"/> they		<input type="checkbox"/> their

own free will for the purpose therein expressed.



Merri Miller
Notary Public or Consular Officer of the
United States of America
Exp: 8/25/2010