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Atty Ref/Docket No.: 303.B65US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Paolo Tessariol, Aurelio Giancarlo Mauri, Akira Goda,
Yijie Zhao

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement [] Change of Name

[] Other

Execution Date: August 12, 2011, August 12, 2011,
August 15, 2011, August 12, 2011

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

Name: Micron Technology, Inc.

Street Address: 8000 So. Federal Way

City: Boise State: ID Zip: 83716-9632Country: United States of America

Additional name(s) & address(es) attached? [] Yes

[X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 13/211,033, filed August 16, 2011

Additional numbers attached? [] Yes [X] No

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

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account
19-07438. Please charge any additional fees or credit any over
payments to our Deposit Account No.: 19-0743

DO NOT USE THIS SPACE

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.David C. Peterson/Reg. No. 47.857

Name of Person Signing



Signature

8/23/2011

Date

Total number of pages including cover sheet: 0

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT

REEL: 026803 FRAME: 0945

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CH \$40.00 190743 13211033

Attorney Docket No. 303.B65US1
Client Ref. No. 2010-0720.00/US

ASSIGNMENT

WHEREAS, We, Paolo Tessariol, residing at Via Gazie 56, Montebelluna, TV 31044, Italy, and Aurelio Giancarlo Mauri, residing at Via Arno 20, Meda, MB 20036, Italy, and Akira Goda, residing at 1818 E. Monterey Dr., Boise, ID 83706, and Yijie Zhao, residing at 10874 W. K. Bar T. Dr., Boise, ID 83709, made certain new and useful inventions and improvements which are described in an application for U.S. Letters Patent entitled APPARATUSES AND METHODS COMPRISING A CHANNEL REGION HAVING DIFFERENT MINORITY CARRIER LIFETIMES;

WHEREAS, We hereby authorize and request the attorneys, representing Micron Technology, Inc. on this application, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 13/211,033 ; Filing Date: 16-Aug-2011) the filing date and application number of said application when known.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 So. Federal Way, Boise, ID 83716-9632, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for U.S. Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 73115 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

No Provisional claim for priority is being made at this time.

No U.S. Non-Provisional claim for priority is being made at this time.

No International or foreign claim for priority is being made at this time.

ASSIGNMENT

Docket No: 303.B65US1

Client Ref. No. 2010-0720.00/US

Assignors: Paolo Tessarol et al.

Title: APPARATUSES AND METHODS COMPRISING A CHANNEL REGION HAVING DIFFERENT MINORITY CARRIER LIFETIMES

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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT


Tracker No: 303 BG5US1

Client Ref. No. 2010-0720.00/US

Assignors: Paolo Tessariol et al.

Title: APPARATUSES AND METHODS COMPRISING A CHANNEL REGION HAVING DIFFERENT MINORITY CARRIER LIFETIMES

Page 3 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day ofAUGUST, 2011.

Paolo Tessariol

WITNESSES:

Dated 12-08-11

Signature

Printed Name PAOLO FRANCESCO PRESTINIAddress MILANO 20158VIA FINGOI 37Dated 12-08-11

Signature

Printed Name UMBERTO M. MEONIAddress RIVOLI (TO) 10098VIA ALE FONTANE 31/9

PATENT

REEL: 026803 FRAME: 0948

ASSIGNMENT

Docket No: 303.B65US1

Client Ref. No. 2010-0720.00/US

Assignors: Paolo Tessariol et al.

Title: APPARATUS AND METHODS COMPRISING A CHANNEL REGION HAVING DIFFERENT MINORITY CARRIER LIFETIMES

Page 4 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day ofAugust, 2011.
Aurelio Giancarlo Mauri

WITNESSES:

Dated 12-08-11

Signature

Printed Name PAOLO FRANCESCO PRESTINIAddress TRICANO 20158VA 710661 37Dated 12-08-11

Signature

Printed Name UMBERTO M. MEOTOAddress RIVOLI (TO) 10098VIA ALLE FONTANE 31/9

PATENT

REEL: 026803 FRAME: 0949

ASSIGNMENT

Client Ref. No. 2010-0720.00/US

Assignors: Paolo Tessariol et al.

Title: APPARATUSES AND METHODS COMPRISING A CHANNEL REGION HAVING DIFFERENT MINORITY CARRIER LIFETIMES

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Docket No: 303.B65US1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15th day ofAugust, 2011.Akira Goda

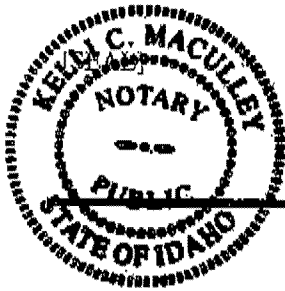
Akira Goda

STATE OF Idaho,

)ss

COUNTY OF Ada

On this 15 day of August, 2011 before me personally appeared Akira Goda, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Kevin C Maculley

Notary Public

WP: 2/26/2012

ASSIGNMENT


Client Ref. No. 2010-0720.00/US

Docket No: 303.B65US1

Assignors: Paolo Tessariol et al.

Title: APPARATUSES AND METHODS COMPRISING A CHANNEL REGION HAVING DIFFERENT MINORITY CARRIER LIFETIMES

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day ofAugust, 2011.

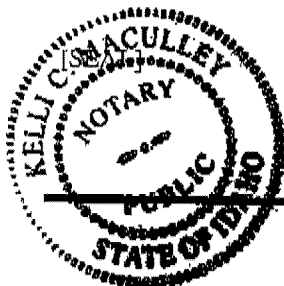
Yijie Zhao

STATE OF Idaho)

)ss

COUNTY OF Ada)

On this 12 day of August, 2011 before me personally appeared Yijie Zhao, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

Exp: 2/26/2012