

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Isao Takayanagi	03/21/2008
Mikael Kerttu	03/18/2008
Per Olaf Pahr	03/14/2008

RECEIVING PARTY DATA

Name:	Micron Technology, Inc.
Street Address:	8000 S. Federal Way
City:	Boise
State/Country:	IDAHO
Postal Code:	83707

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12056185

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

M4065.1457/P1457

NAME OF SUBMITTER:

Regina Martin

Total Attachments: 7

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PATENT

REEL: 020708 FRAME: 0469

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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.

Additional name(s) of conveying party(ies) attached?	Yes	<input checked="" type="checkbox"/>	No
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Street Address:

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

☐ Other

B. Patent No.(s)

Additional numbers attached?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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Email Address: DAmicoT@dicksteinshapiro.com

☐ None required (government interest not affecting title)

Authorized User Name

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Isao Takayanagi; Mikael Kerttu; and Per Olaf Pahr (hereinafter referred to as Assignors), residing at 1133-17 Aihara, Machida-shi, Tokyo, 194-0211, JAPAN; 1575 Vista Club Circle, Apt. 201, Santa Clara, California 95054; and Fjellstien 3B, No-3400 Lier, NORWAY, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in SYSTEMS, METHODS, AND DEVICES FOR PREVENTING SHOOT-THROUGH CURRENT WITHIN AND BETWEEN SIGNAL LINE DRIVERS OF SEMICONDUCTOR DEVICES, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, MICRON TECHNOLOGY, INC., a Corporation organized under and pursuant to the laws of United States of America having its principal place of business at 8000 S. Federal Way, Boise, Idaho 83707-0006 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for

which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DICKSTEIN SHAPIRO LLP

All practitioners at Customer Number 24998

AND Assignors acknowledge an obligation of assignment of this invention to Assignee
at the time the invention was made.

3/21 '2008
Date

Isao Takayanagi
Isao Takayanagi

Witness:

3/21 '2008
Date

Shinji Ohsawa

Witness:

3/21 /08
Date

Junichi Nakamura

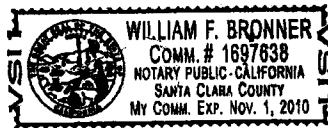
Mikael Kerttu
Mikael Kerttu

Date: 03/18/2008

United States of America)
State of CALIFORNIA) ss.:
County of SANTA CLARA)

On this 18 day of MARCH, 2008, before me
personally came Mikael Kerttu, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

William F Bronner
Notary Public



14 March 2008
Date

Per Olaf Pahr
Per Olaf Pahr

Witness:

14 March 2008
Date

J Morrison

Witness:

14 March 2008
Date

Tyge Willaen