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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4812025

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | SUPPLEMENT NO. 7 TO PATENT SECURITY AGREEMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| MICRON TECHNOLOGY, INC. | 01/23/2018 |

RECEIVING PARTY DATA

| | |
|--------------------------|--|
| Name: | MORGAN STANLEY SENIOR FUNDING, INC., AS COLLATERAL AGENT |
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| Internal Address: | 4TH FLOOR |
| City: | BALTIMORE |
| State/Country: | MARYLAND |
| Postal Code: | 21231 |

PROPERTY NUMBERS Total: 397

| Property Type | Number |
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| Application Number: | 15803690 |
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| Application Number: | 15865819 |
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| Application Number: | 15836978 |

PATENT

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| Application Number: | 15851081 |
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| Application Number: | 15172022 |
| Application Number: | 15858201 |
| Application Number: | 15791271 |
| PCT Number: | US2017056956 |
| PCT Number: | US2017059659 |
| PCT Number: | US2017055845 |
| PCT Number: | US2017065391 |
| PCT Number: | US2017068317 |
| PCT Number: | US2017066769 |
| PCT Number: | US2017062621 |
| PCT Number: | US2017068425 |
| PCT Number: | US2017059319 |
| PCT Number: | US2017059992 |
| PCT Number: | US2017069113 |
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| PCT Number: | US2017065993 |
| PCT Number: | US2017068197 |
| PCT Number: | US2017068227 |
| PCT Number: | US2018013048 |
| PCT Number: | US2017068219 |
| PCT Number: | US2017068223 |
| PCT Number: | US2017063581 |
| PCT Number: | US2018014345 |
| PCT Number: | US2018013073 |

CORRESPONDENCE DATA

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Email: jnull@stblaw.com

Correspondent Name: MARCELA ROBLEDO

Address Line 1: 2475 HANOVER STREET

Address Line 4: PALO ALTO, CALIFORNIA 94304

| | |
|--------------------------------|-------------|
| ATTORNEY DOCKET NUMBER: | 065664/0012 |
|--------------------------------|-------------|

| | |
|---------------------------|---------------|
| NAME OF SUBMITTER: | J. JASON MULL |
|---------------------------|---------------|

| | |
|-------------------|-----------------|
| SIGNATURE: | /J. Jason Mull/ |
|-------------------|-----------------|

| | |
|---------------------|------------|
| DATE SIGNED: | 02/06/2018 |
|---------------------|------------|

Total Attachments: 17

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SUPPLEMENT NO. 7 TO PATENT SECURITY AGREEMENT

This Supplement No. 7, dated as of January 23, 2018 (this "**Supplement**"), to the Patent Security Agreement (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**Patent Security Agreement**"), dated as of April 26, 2016, is made by MICRON TECHNOLOGY, INC., a Delaware corporation (the "**Grantor**"), in favor of Morgan Stanley Senior Funding, Inc., in its capacity as collateral agent (the "**Collateral Agent**") for the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, the Grantor has entered into a Credit Agreement, dated as of April 26, 2016 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**Credit Agreement**") with the Lenders party thereto and the Collateral Agent, as administrative agent and collateral agent.

WHEREAS, as a condition precedent to the making of the Loans, the Grantor has executed and delivered that certain Guarantee and Collateral Agreement, dated as of April 26, 2016 to the Collateral Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**Security Agreement**"). Terms defined in the Security Agreement and not otherwise defined herein are used herein as defined in the Security Agreement. Terms defined in the Credit Agreement and not otherwise defined herein or in the Security Agreement are used herein as defined in the Credit Agreement.

WHEREAS, under the terms of the Security Agreement, the Grantor has granted to the Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in, among other property, all Intellectual Property of the Grantor constituting Collateral and has executed the Patent Security Agreement with respect to Patents constituting Material Intellectual Property for recording with the U.S. Patent and Trademark Office.

WHEREAS, pursuant to Section 5.3(c) of the Security Agreement, following the acquisition of an interest in any After-Acquired Material Intellectual Property, the Grantor shall provide written notice to the Collateral Agent identifying the registered or applied-for Patents, Trademarks and/or Copyrights that were not as of the date of the Security Agreement a part of the Material Intellectual Property, including any such After-Acquired Material Intellectual Property, and such notice shall include all such new After-Acquired Material Intellectual Property, and the Grantor shall execute and deliver to the Collateral Agent an IP Domestic Security Agreement Supplement covering such Intellectual Property, which IP Domestic Security Agreement Supplement shall be recorded with the U.S. Patent and Trademark Office, the U.S. Copyright Office and/or any other U.S. governmental authorities necessary to perfect the security interest thereunder in any such Intellectual Property.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor agrees as follows:

Section 1. Grant of Security. The Grantor hereby grants to the Collateral Agent for the ratable benefit of the Secured Parties a security interest in the Grantor's right, title and interest in and to the following, whether now owned or hereafter acquired or arising:

(i) each Patent constituting Material Intellectual Property owned by the Grantor, including, without limitation, each such Patent referred to in Schedule 1 hereto;

(ii) all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of the Grantor accruing thereunder or pertaining thereto; and

(iii) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the foregoing, including, without limitation, all proceeds of any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages.

Section 2. Recordation. The Grantor authorizes and requests that the Commissioner for Patents and any other applicable government officer record this Supplement.

Section 3. Grants, Rights and Remedies. This Supplement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest herein with the U.S. Patent and Trademark Office. The security interest granted hereby has been granted to the Collateral Agent in connection with the Security Agreement and is expressly subject to the terms and conditions thereof and does not modify its terms or conditions or create any additional rights or obligations for any party thereto or hereto. The Security Agreement (and all rights and remedies of the Collateral Agent thereunder) shall remain in full force and effect in accordance with its terms.

Section 4. Governing Law. This Supplement shall be governed by, and construed in accordance with, the laws of the State of New York.

IN WITNESS WHEREOF, the Grantor has caused this Supplement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

MICRON TECHNOLOGY, INC.

By: GR

Name: Greg Routin

Title: Treasurer

REVIEWED
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Schedule 1 (Supplemental Patent Schedule as of January 23, 2018) Attached.

Schedule 1 - Supplemental Patent Schedule as of January 23, 2018

| File Number | Jurisdiction | Application # | PTO Status | Patent # |
|--------------|--------------|-------------------|------------|-------------------|
| 2004-0577.04 | US | 15/803,690 | Filed | |
| 2004-1230.00 | DE | 60 2006 054 232.1 | Issued | 1904910 |
| 2004-1230.00 | FR | 06800130.4 | Issued | 1904910 |
| 2004-1230.00 | GB | 06800130.4 | Issued | 1904910 |
| 2005-0384.03 | US | 15/796,173 | Filed | |
| 2005-0685.04 | US | 15/861,442 | Filed | |
| 2005-0693.00 | DE | 06845271.3 | Issued | 60 2006 054 143.0 |
| 2005-0693.00 | FR | 06845271.3 | Issued | 1969859 |
| 2005-0693.00 | GB | 06845271.3 | Issued | 1969859 |
| 2005-0820.00 | DE | 07836977.4 | Issued | 60 2007 052 824.0 |
| 2005-0820.00 | GB | 07836977.4 | Issued | 2059956 |
| 2005-1046.01 | DE | 10007439.2 | Issued | 2237315 |
| 2005-1046.01 | FR | 10007439.2 | Issued | 2237315 |
| 2005-1046.01 | GB | 10007439.2 | Issued | 2237315 |
| 2007-0599.00 | DE | 09819740.3 | Issued | 2332143 |
| 2007-0599.00 | FR | 09819740.3 | Issued | 2332143 |
| 2007-0599.00 | GB | 09819740.3 | Issued | 2332143 |
| 2007-1064.04 | US | 15583883 | Filed | |
| 2008-0114.00 | DE | 10741802.2 | Issued | 2396790 |
| 2008-0114.00 | FR | 10741802.2 | Issued | 2396790 |
| 2008-0114.00 | GB | 10741802.2 | Issued | 2396790 |
| 2008-0280.04 | US | 15/831,718 | Filed | |
| 2008-0317.01 | DE | 16020283.4 | Issued | 3121704 |
| 2008-0317.01 | FR | 16020283.4 | Issued | 3121704 |
| 2008-0317.01 | GB | 16020283.4 | Issued | 3121704 |
| 2008-0317.01 | NL | 16020283.4 | Issued | 3121704 |
| 2008-0458.00 | DE | 10756541.8 | Issued | 2412004 |
| 2008-0458.00 | FR | 10756541.8 | Issued | 2412004 |
| 2008-0458.00 | GB | 10756541.8 | Issued | 2412004 |
| 2008-0606.04 | US | 15/869,501 | Filed | |
| 2008-0688.01 | US | 15/806,073 | Filed | |
| 2009-0002.03 | US | 15/864995 | Filed | |
| 2009-0084.02 | US | 15/840,646 | Filed | |
| 2009-0108.00 | KR | 10-2012-7018578 | Filed | |
| 2009-0119.03 | US | 15/722,580 | Filed | |
| 2009-0218.00 | KR | 10-2012-7018579 | Filed | |
| 2009-0280.04 | US | 15823139 | Filed | |
| 2009-0307.03 | US | 15/867,089 | Filed | |
| 2009-0448.01 | KR | 10-2017-7031232 | Filed | |
| 2009-0448.01 | SG | 10201508076Y | Filed | |
| 2009-0503.01 | KR | 10-2017-7004367 | Filed | |
| 2009-0588.02 | US | 15/795,488 | Filed | |
| 2010-0080.00 | JP | 2016-516657 | Issued | 6259909 |
| 2010-0421.02 | US | 15/867,993 | Filed | |
| 2010-0434.01 | CN | 201710826134.2 | Filed | |
| 2010-0477.01 | CN | 201711162134.3 | Filed | |

Schedule 1 - Supplemental Patent Schedule as of January 23, 2018

| File Number | Jurisdiction | Application # | PTO Status | Patent # |
|--------------|--------------|-----------------|------------|-------------------|
| 2010-0513.03 | US | 15/848,399 | Filed | |
| 2010-0571.01 | TW | 104108239 | Filed | |
| 2010-0599.03 | US | 15/858,780 | Filed | |
| 2010-0779.00 | TW | 101128138 | Issued | 1574270 |
| 2010-0786.04 | US | 15/865,819 | Filed | |
| 2010-0792.02 | US | 15/721,994 | Filed | |
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