

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM479417

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
SILICON STORAGE TECHNOLOGY, INC.		05/29/2018	Corporation: CALIFORNIA
ATMEL CORPORATION		05/29/2018	Corporation: DELAWARE
MICROSEMI CORPORATION		05/29/2018	Corporation: DELAWARE
MICROSEMI STORAGE SOLUTIONS, INC.		05/29/2018	Corporation: DELAWARE
MICROCHIP TECHNOLOGY INCORPORATED		05/29/2018	Corporation: DELAWARE

## RECEIVING PARTY DATA

<b>Name:</b>	JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT
<b>Street Address:</b>	10 S. Dearborn
<b>Internal Address:</b>	7th Floor
<b>City:</b>	Chicago
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60603
<b>Entity Type:</b>	National Banking Association: UNITED STATES

## PROPERTY NUMBERS Total: 115

Property Type	Number	Word Mark
Registration Number:	2490401	ANYRATE
Registration Number:	4616999	CHIPKIT
Registration Number:	4617000	CHIPKIT
Registration Number:	4619553	CLOCKWORKS
Registration Number:	2722040	DSPIC
Registration Number:	2867714	DSPIC
Registration Number:	4552090	ETHERSYNCH
Registration Number:	2488852	FILTERLAB
Registration Number:	2421705	FLASHFLEX
Registration Number:	3567233	HELDO
Registration Number:	4712668	HYPER SPEED CONTROL
Registration Number:	3677023	HYPERLIGHT LOAD

CH \$2890.00 2490401

Property Type	Number	Word Mark
Registration Number:	4756280	INTELLIMOS
Registration Number:	2127732	K
Registration Number:	1906190	KEELOQ
Registration Number:	3080238	LINKMD
Registration Number:	2390711	M
Registration Number:	1554466	MICROCHIP
Registration Number:	3729988	MPLAB
Registration Number:	4179638	MPLAB
Registration Number:	2272863	MPLAB
Registration Number:	4255921	MTOUCH
Registration Number:	1176995	PIC
Registration Number:	3691024	PIC 32
Registration Number:	2184783	PICMICRO
Registration Number:	1932666	PICSTART
Registration Number:	2919406	PRECISION EDGE
Registration Number:	1993881	PRO MATE
Registration Number:	4556266	QUIET-WIRE
Registration Number:	3019668	SST
Registration Number:	1783306	SST
Registration Number:	1778284	SUPERFLASH
Registration Number:	4284902	THE EMBEDDED CONTROL SOLUTIONS COMPANY
Registration Number:	1990546	THE EMBEDDED CONTROL SOLUTIONS COMPANY
Registration Number:	3490318	UNI/O
Registration Number:	1921791	SEEVAL
Registration Number:	5205284	SUPERSWITCHER
Registration Number:	5475676	MOTORBENCH
Registration Number:	3267940	ATMEL
Registration Number:	3330658	SAM-BA
Registration Number:	2166210	AVR
Registration Number:	2180449	AVR STUDIO
Registration Number:	3552073	QSLIDE
Registration Number:	3552071	QTOUCH
Registration Number:	2219439	QUICK CHANGE
Registration Number:	1526686	ATMEL
Registration Number:	3651724	PICOPOWER
Registration Number:	2296708	MEGAAVR
Registration Number:	3807495	XMEGA
Registration Number:	1648039	IDIC

Property Type	Number	Word Mark
Registration Number:	3981998	MAXTOUCH
Registration Number:	4096763	ENABLING UNLIMITED POSSIBILITIES
Registration Number:	2583686	PROCHIP DESIGNER
Registration Number:	2601053	CACHE LOGIC
Registration Number:	2625572	CRYPTOMEMORY
Registration Number:	4254377	ENABLING UNLIMITED POSSIBILITIES
Registration Number:	4254378	ENABLING UNLIMITED POSSIBILITIES
Registration Number:	4261667	MAXTOUCH
Registration Number:	4272527	MAXTOUCH
Registration Number:	4373777	XSENSE
Registration Number:	2742306	FPSLIC
Registration Number:	4393081	MAXCHARGER
Registration Number:	4400729	MAXSTYLUS
Registration Number:	4400730	MAXSTYLUS
Registration Number:	4495228	MAXSTYLUS
Registration Number:	4581576	MAXFUSION
Registration Number:	2872181	TINYAVR
Registration Number:	2875391	STK
Registration Number:	2875390	MEGAAVR
Registration Number:	2891156	AVRFREAKS
Registration Number:	2900141	LOGIC DOUBLING
Registration Number:	2944831	CRYPTORF
Registration Number:	4773192	MAXSTYLUS
Registration Number:	4844537	ATMEL
Registration Number:	3075678	AVR
Registration Number:	3201937	ATMEL
Registration Number:	2025438	ATMEL
Registration Number:	2164517	DATAFLASH
Registration Number:	1753737	APT
Registration Number:	2603685	APT
Registration Number:	4804750	I2MOS
Registration Number:	2335792	MICROSEMI
Registration Number:	4616039	MICROSEMI
Registration Number:	3400428	
Registration Number:	4339595	MICROSEMI
Registration Number:	3177332	MMSM
Registration Number:	2552196	POWER MOS 7
Registration Number:	2683474	POWER MOS IV

Property Type	Number	Word Mark
Registration Number:	2166537	POWER MOS V
Registration Number:	2856178	POWERMITE 3
Registration Number:	4849229	QUANTUM
Registration Number:	1534019	
Registration Number:	2296881	THUNDERBOLT IGBT
Registration Number:	2962199	T-MAX
Registration Number:	3004768	ACTIPHY
Registration Number:	1671656	ADAPTEC
Registration Number:	3289566	PMC
Registration Number:	3230420	PMC
Registration Number:	3264632	PMC-SIERRA
Registration Number:	2190349	TACHYON
Registration Number:	2678960	TEMUX
Registration Number:	1959483	VITESSE
Registration Number:	3814987	VSCOPE
Registration Number:	4277968	ADAPTEC BY PMC
Registration Number:	4262750	SUPERDIVIDER
Registration Number:	1600450	DPT
Registration Number:	1909170	INTELLIGENT COMPUTER PERIPHERALS ICP
Registration Number:	2137658	ADAPTEC
Registration Number:	3644421	UNIFIED SERIAL ARCHITECTURE SAS SATA
Registration Number:	4270519	ADAPTEC BY PMC
Serial Number:	87653500	SMART CONNECTED SECURE
Serial Number:	87653515	SMART CONNECTED SECURE
Serial Number:	87740795	POWERSMART
Serial Number:	87624201	FLASHTEC
Serial Number:	87624204	SWITCHTEC

**CORRESPONDENCE DATA**

Fax Number: 6502515002

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

Phone: (650) 251-5027

Email: jnull@stblaw.com

Correspondent Name: Marcela Robledo

Address Line 1: 2475 Hanover Street

Address Line 4: Palo Alto, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER: 509265/2114

NAME OF SUBMITTER: J. Jason Mull

<b>SIGNATURE:</b>	/J. Jason Mull/
<b>DATE SIGNED:</b>	06/26/2018
<b>Total Attachments: 16</b> source=Microchip - TM Security Agreement [Execution Version]#page1.tif source=Microchip - TM Security Agreement [Execution Version]#page2.tif source=Microchip - TM Security Agreement [Execution Version]#page3.tif source=Microchip - TM Security Agreement [Execution Version]#page4.tif source=Microchip - TM Security Agreement [Execution Version]#page5.tif source=Microchip - TM Security Agreement [Execution Version]#page6.tif source=Microchip - TM Security Agreement [Execution Version]#page7.tif source=Microchip - TM Security Agreement [Execution Version]#page8.tif source=Microchip - TM Security Agreement [Execution Version]#page9.tif source=Microchip - TM Security Agreement [Execution Version]#page10.tif source=Microchip - TM Security Agreement [Execution Version]#page11.tif source=Microchip - TM Security Agreement [Execution Version]#page12.tif source=Microchip - TM Security Agreement [Execution Version]#page13.tif source=Microchip - TM Security Agreement [Execution Version]#page14.tif source=Microchip - TM Security Agreement [Execution Version]#page15.tif source=Microchip - TM Security Agreement [Execution Version]#page16.tif	

GRANT OF SECURITY INTEREST IN  
TRADEMARK RIGHTS

This GRANT OF SECURITY INTEREST IN TRADEMARK RIGHTS (the "Agreement"), dated as of May 29, 2018, made by MICROCHIP TECHNOLOGY INCORPORATED, a Delaware corporation, together with the parties listed on the signature pages hereof (each a "Grantor", and collectively the "Grantors"), in favor of JPMorgan Chase Bank, N.A., a national banking association, with an address at 10 S. Dearborn, 7<sup>th</sup> Floor, Chicago, IL 60603-2300, as Administrative Agent (in such capacity, the "Administrative Agent") for the banks and other financial institutions or entities (the "Lenders") from time to time parties to the Amended and Restated Credit Agreement, dated as of May 29, 2018 (as may be amended, restated, supplemented or otherwise modified from time to time, the "Existing Credit Agreement"), among Microchip Technology Incorporated, a Delaware corporation ("Borrower"), the Lenders and the Administrative Agent.

WHEREAS, pursuant to the Existing Credit Agreement, the Lenders have severally agreed to make extensions of credit to the Borrower subject to the terms and conditions set forth therein; and

WHEREAS, pursuant to the Existing Credit Agreement, the Borrower and certain other Grantors (as defined in the Security Agreement) have executed and delivered an Amended and Restated Pledge and Security Agreement, dated as of May 29, 2018, in favor of the Administrative Agent (together with all amendments, restatements, supplements and modifications, if any, from time to time thereafter made thereto, the "Security Agreement"); and

WHEREAS, pursuant to the Security Agreement, each Grantor granted to the Administrative Agent, for the ratable benefit of the Secured Parties, a security interest in all of such Grantor's right, title, and interest in and to the Collateral, including the Trademarks; and

WHEREAS, each Grantor has duly authorized the execution, delivery and performance of this Agreement;

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

1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the Existing Credit Agreement and the Security Agreement.

2. Grant of Security Interest. Each Grantor hereby grants to the Administrative Agent, for the ratable benefit of the Secured Parties, a security interest in and continuing lien on

all of such Grantor's right, title and interest in and to all Trademarks (other than Excluded Assets) now owned or anytime hereafter acquired by such Grantor (including, without limitation, those items listed on Schedule A and B hereto) (collectively, the "Collateral").

3. Purpose. This Agreement has been executed and delivered by each Grantor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. The security interest granted hereby has been granted to the Lenders in connection with the Security Agreement and is expressly subject to the terms and conditions thereof. The Security (and all rights and remedies of the Lenders thereunder) shall remain in full force and effect in accordance with its terms.

4. Acknowledgement. Each Grantor does hereby further acknowledge and affirm that the rights and remedies of the Lenders with respect to the security interest in the Collateral granted hereby are more fully set forth in the Existing Credit Agreement and the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

5. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original.

[Remainder of page intentionally blank; signatures on following pages]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

MICROCHIP TECHNOLOGY INCORPORATED,  
as a Grantor

By: J. Eric Bjornholt  
Name: J. Eric Bjornholt  
Title: Vice President and Chief Financial Officer

SILICON STORAGE TECHNOLOGY, INC.,  
as a Grantor

By: J. Eric Bjornholt  
Name: J. Eric Bjornholt  
Title: Chief Financial Officer

ATMEL CORPORATION,  
as a Grantor

By: J. Eric Bjornholt  
Name: J. Eric Bjornholt  
Title: Vice President and Chief Financial Officer

MICROSEMI CORPORATION,  
as a Grantor

By: J. Eric Bjornholt  
Name: J. Eric Bjornholt  
Title: Chief Financial Officer

MICROSEMI STORAGE SOLUTIONS, INC.,  
as a Grantor

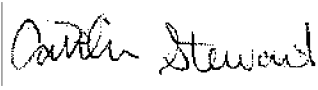
By: J. Eric Bjornholt  
Name: J. Eric Bjornholt  
Title: Chief Financial Officer

[Signature Page to Trademark Security Agreement]

**TRADEMARK**  
**REEL: 006363 FRAME: 0751**



JPMORGAN CHASE BANK, N.A.,  
as Administrative Agent for the Lenders

By: 

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Name: Caitlin Stewart  
Title: Executive Director

[Signature Page to Trademark Security Agreement]

**TRADEMARK**  
**REEL: 006363 FRAME: 0752**

**SCHEDULE A**

**MICROCHIP TECHNOLOGY INCORPORATED UNITED STATES TRADEMARKS & TRADEMARK APPLICATIONS**

<u>Grantor</u>	<u>Mark</u>	<u>Country of Registration</u>	<u>Registration Date</u>	<u>Registration Number</u>
Microchip Technology Incorporated	AnyRate	US	18-Sep-01	2,490,401
Microchip Technology Incorporated	CHIPKIT	US	07-Oct-14	4,616,999
Microchip Technology Incorporated	chipKIT	US	07-Oct-14	4,617,000
Microchip Technology Incorporated	ClockWorks	US	14-Oct-14	4,619,553
Microchip Technology Incorporated	dsPIC	US	03-Jun-03	2,722,040
Microchip Technology Incorporated	dsPIC	US	27-Jul-04	2,867,714

Microchip Technology Incorporated	EtherSynch	US	17-Jun-14	4,552,090
Microchip Technology Incorporated	FilterLAB	US	11-Sep-01	2,488,852
Silicon Storage Technology, Inc.	FLASHFLEX	US	16-Jan-01	2,421,705
Microchip Technology Incorporated	Heldo	US	27-Jan-09	3,567,233
Microchip Technology Incorporated	Hyper Speed Control	US	31-Mar-15	4,712,668
Microchip Technology Incorporated	HyperLight Load	US	1-Sep-09	3,677,023
Microchip Technology Incorporated	IntelliMOS	US	16-Jun-15	4,756,280
Microchip Technology Incorporated	K design	US	06-Jan-98	2,127,732
Microchip Technology Incorporated	KEELOQ	US	18-Jul-95	1,906,190

Microchip Technology Incorporated	LinkMD	US	11-Apr-06	3,080,238
Microchip Technology Incorporated	M DESIGN - new	US	03-Oct-00	2,390,711
Microchip Technology Incorporated	MICROCHIP and M DESIGN	US	05-Sep-89	1,554,466
Microchip Technology Incorporated	MPLAB	US	22-Dec-09	3,729,988
Microchip Technology Incorporated	MPLAB	US	24-Jul-12	4,179,638
Microchip Technology Incorporated	MPLAB	US	24-Aug-99	2,272,863
Microchip Technology Incorporated	mTouch	US	11-Dec-12	4,255,921
Microchip Technology Incorporated	PIC	US	10-Nov-81	1,176,995
Microchip Technology Incorporated	PIC32	US	06-Oct-09	3,691,024

Microchip Technology Incorporated	PICMICRO	US	25-Aug-98	2,184,783
Microchip Technology Incorporated	PICSTART	US	07-Nov-95	1,932,666
Microchip Technology Incorporated	Precision Edge	US	18-Jan-05	2,919,406
Microchip Technology Incorporated	PRO MATE	US	13-Aug-96	1,993,881
Microchip Technology Incorporated	QUIET-WIRE	US	24-Jun-14	4,556,266
Silicon Storage Technology, Inc.	SST	US	29-Nov-05	3,019,668
Silicon Storage Technology, Inc.	SST & DESIGN	US	20-Jul-93	1,783,306
Silicon Storage Technology, Inc.	SUPERFLASH	US	22-Jun-93	1,778,284
Microchip Technology Incorporated	THE EMBEDDED CONTROL SOLUTIONS COMPANY	US	05-Feb-13	4,284,902

Microchip Technology Incorporated	THE EMBEDDED CONTROL SOLUTIONS COMPANY	US	30-Jul-96	1,990,546
Microchip Technology Incorporated	UNI/O	US	19-Aug-08	3,490,318
Microchip Technology Incorporated	SEEVAL	US	26-Sep-95	1,921,791
Microchip Technology Incorporated	SUPERSWITCHER	US	16-May-17	5,205,284
Microchip Technology Incorporated	MOTORBENCH	US	22-May-18	5,475,676
Atmel Corporation	ATMEL	US	24-Jul-07	3267940
Atmel Corporation	SAM-BA	US	6-Nov-07	3330658
Atmel Corporation	AVR (Stylized)	US	16-Jun-98	2166210
Atmel Corporation	AVR STUDIO	US	11-Aug-98	2180449
Atmel Corporation	QSLIDE	US	23-Dec-08	3552073
Atmel Corporation	QTOUCH	US	23-Dec-08	3552071
Atmel Corporation	QUICK CHANGE	US	19-Jan-99	2219439
Atmel Corporation	ATMEL	US	28-Feb-89	1526686

Atmel Corporation	PICOPOWER	US	7-Jul-09	3651724
Atmel Corporation	ZIGBIT	US	28-Jul-09	3661078
Atmel Corporation	MEGAAVR (Stylized)	US	30-Nov-99	2296708
Atmel Corporation	XMEGA	US	22-Jun-10	3807495
Atmel Corporation	IDIC	US	18-Jun-91	1648039
Atmel Corporation	MAXTOUCH	US	21-Jun-11	3981998
Atmel Corporation	ENABLING UNLIMITED POSSIBILITIES	US	7-Feb-12	4096763
Atmel Corporation	PROCHIP DESIGNER	US	18-Jun-02	2583686
Atmel Corporation	CACHE LOGIC	US	30-Jul-02	2601053
Atmel Corporation	CRYPTOMEMORY	US	24-Sep-02	2625572
Atmel Corporation	ENABLING UNLIMITED POSSIBILITIES	US	4-Dec-12	4254377
Atmel Corporation	ENABLING UNLIMITED POSSIBILITIES	US	4-Dec-12	4254378
Atmel Corporation	MAXTOUCH	US	18-Dec-12	4261667
Atmel Corporation	MAXTOUCH	US	8-Jan-13	4272527
Atmel Corporation	XSENSE	US	23-Jul-13	4373777
Atmel Corporation	FPSLIC	US	29-Jul-03	2742306



Atmel Corporation	MAXCHARGER	US	27-Aug-13	4393081
Atmel Corporation	MAXSTYLUS	US	10-Sep-13	4400729
Atmel Corporation	MAXSTYLUS	US	10-Sep-13	4400730
Atmel Corporation	MAXSTYLUS	US	11-Mar-14	4495228
Atmel Corporation	MAXFUSION	US	5-Aug-14	4581576
Atmel Corporation	TINYAVR	US	10-Aug-04	2872181
Atmel Corporation	STK	US	17-Aug-04	2875391
Atmel Corporation	MEGAAVR	US	17-Aug-04	2875390
Atmel Corporation	AVRFREAKS	US	5-Oct-04	2891156
Atmel Corporation	LOGIC DOUBLING	US	2-Nov-04	2900141
Atmel Corporation	CRYPTORF	US	26-Apr-05	2944831
Atmel Corporation	MAXSTYLUS	US	14-Jul-15	4773192
Atmel Corporation	ATMEL (Logo) (New)	US	3-Nov-15	4844537
Atmel Corporation	AVR	US	4-Apr-06	3075678
Atmel Corporation	ATMEL	US	23-Jan-07	3201937
Atmel Corporation	ATMEL	US	24-Dec-96	2025438
Atmel Corporation	DATAFLASH	US	9-Jun-98	2164517




<u>Grantor</u>	<u>Submitted Mark</u>	<u>Country of Application</u>	<u>Filing Date</u>	<u>Application Serial Number</u>
Microchip Technology Incorporated	SMART CONNECTED SECURE	US	20-Oct-17	87/653,500
Microchip Technology Incorporated	SMART CONNECTED SECURE	US	20-Oct-17	87/653,515
Microchip Technology Incorporated	POWERSMART	US	02-Jan-18	87/740,795

**SCHEDULE B**

**MICROSEMI CORPORATION UNITED STATES TRADEMARKS & TRADEMARK APPLICATIONS**

<u>Grantor</u>	<u>Mark</u>	<u>App No</u>	<u>App Date</u>	<u>Registration Number</u>	<u>Registration Date</u>
MICROSEMI CORPORATION	<b>APT</b>	74285445	Jun 15, 1992	1753737	Feb 23, 1993
MICROSEMI CORPORATION	<b>APT</b>	76104815	Aug 7, 2000	2603685	Aug 6, 2002
MICROSEMI CORPORATION	<b>I2MOS</b>	86147074	Dec 18, 2013	4804750	Sep 1, 2015
MICROSEMI CORPORATION	<b>MICROSEMI</b>	75696235	28-Apr-1999	2335792	Mar 28, 2000
MICROSEMI CORPORATION	<b>MICROSEMI</b>	86016172	Jul 22, 2013	4616039	Oct 7, 2014
MICROSEMI CORPORATION	<b>Design Only</b> 	76627604	Jan 12, 2005	3400428	Mar 25, 2008
MICROSEMI CORPORATION	<b>MICROSEMI and Design</b> 	85525326	Jan 25, 2012	4339595	May 21, 2013
MICROSEMI CORPORATION	<b>MMSM</b>	76110512	Aug 17, 2000	3177332	Nov 28, 2006

<u>Grantor</u>	<u>Mark</u>	<u>App No</u>	<u>App Date</u>	<u>Registration Number</u>	<u>Registration Date</u>
MICROSEMI CORPORATION	<b>POWER MOS 7</b>	76153383	Oct 24, 2000	2552196	Mar 26, 2002
MICROSEMI CORPORATION	<b>POWER MOS IV</b>	76404088	May 2, 2002	2683474	Feb 4, 2003
MICROSEMI CORPORATION	<b>POWER MOS V</b>	75201291	Nov 18, 1996	2166537	Jun 16, 1998
MICROSEMI CORPORATION	<b>POWERMITE 3</b>	75912836	Feb 9, 2000	2856178	Jun 22, 2004
MICROSEMI CORPORATION	<b>QUANTUM</b>	86398028	Sep 17, 2014	4849229	Nov 10, 2015
MICROSEMI CORPORATION		73715905	Mar 10, 1988	1534019	Apr 11, 1989
MICROSEMI CORPORATION	<b>THUNDERBOLT IGBT</b>	75449083	Mar 12, 1998	2296881	Nov 30, 1999
MICROSEMI CORPORATION	<b>T-MAX</b>	78302971	Sep 19, 2003	2962199	Jun 14, 2005
Microsemi Storage Solutions, Inc.	<b>ACTIPHY</b>	76534321	Aug 4, 2003	3004768	Oct 4, 2005
Microsemi Storage Solutions, Inc.	<b>ADAPTEC</b>	74149717	Mar 20, 1991	1671656	Jan 14, 1992
Microsemi Storage Solutions, Inc.	<b>PMC</b>	77032728	Oct 30, 2006	3289566	Sep 11, 2007

<u>Grantor</u>	<u>Mark</u>	<u>App No</u>	<u>App Date</u>	<u>Registration Number</u>	<u>Registration Date</u>
Microsemi Storage Solutions, Inc.	<b>PMC (STYLIZED)</b>	78240756	Apr 22, 2003	3230420	Apr 17, 2007
Microsemi Storage Solutions, Inc.	<b>PMC-SIERRA</b>	78874666	May 2, 2006	3264632	Jul 17, 2007
Microsemi Storage Solutions, Inc.	<b>TACHYON</b>	75214917	Dec 18, 1996	2190349	Sep 22, 1998
Microsemi Storage Solutions, Inc.	<b>TEMUX</b>	76314525	Sep 18, 2001	2678960	Jan 21, 2003
Microsemi Storage Solutions, Inc.	<b>VITESSE</b>	74221981	Nov 13, 1991	1959483	Mar 5, 1996
Microsemi Storage Solutions, Inc.	<b>VSCOPE</b>	77385769	Jan 31, 2008	3814987	Jul 6, 2010
Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.)	<b>ADAPTEC BY PMC AND LOGO</b>	85255100	Mar 1, 2011	4277968	Jan 22, 2013
Microsemi Corporation	<b>SUPERDIVIDER</b>	85496658	Dec 15, 2011	4262750	Dec 18, 2012
Microsemi Storage Solutions, Inc.	<b>DPT</b>	73788483	Mar 23, 1989	1600450	Jun 12, 1990
Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.)	<b>INTELLIGENT COMPUTER PERIPHERALS ICP</b>	74289211	Jun 29, 1992	1909170	Aug 1, 1995
Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.)	<b>ADAPTEC</b>	74710442	Aug 3, 1995	2137658	Feb 17, 1998
Microsemi Storage Solutions, Inc.	<b>UNIFIED SERIAL ARCHITECTURE SAS SATA</b>	77386806	Feb 1, 2008	3644421	Jun 23, 2009
Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.)	<b>ADAPTEC BY PMC</b>	85255098	Mar 1, 2011	4270519	Jan 8, 2013

Grantor	Submitted Mark	Status	Filing Date	Application Serial Number
Microsemi Storage Solutions, Inc.	FLASHTEC	Pending	Sep 27, 2017	87624201
Microsemi Storage Solutions, Inc.	SWITCHTEC	Pending	Sep 27, 2017	87624204