

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM493785

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
TI ACQUISITION CORP.		10/03/2018	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	TRIPLEPOINT CAPITAL LLC		
<b>Street Address:</b>	2755 Sand Hill Road, Suite 150		
<b>City:</b>	Menlo Park		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	94025		
<b>Entity Type:</b>	Limited Liability Company: CALIFORNIA		
<b>PROPERTY NUMBERS Total: 5</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	86048490	TINTRI GLOBAL CENTER	
<b>Serial Number:</b>	86080264	FLASHFIRST	
<b>Registration Number:</b>	4388495	TINTRI	
<b>Registration Number:</b>	4580391	TINTRI VMSTORE	
<b>Serial Number:</b>	86847058	TINTRI VM SCALEOUT	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	3102774730		
<i>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.</i>			
<b>Phone:</b>	310.284.6133		
<b>Email:</b>	Grosenbaum@mwe.com, mrostovtsev@mwe.com, cvicino@mwe.com		
<b>Correspondent Name:</b>	Gary B. Rosenbaum		
<b>Address Line 1:</b>	McDermott Will & Emery LLP		
<b>Address Line 2:</b>	2049 Century Park East, Suite 3800		
<b>Address Line 4:</b>	Los Angeles, CALIFORNIA 90067		
<b>NAME OF SUBMITTER:</b>	Gary B. Rosenbaum		
<b>SIGNATURE:</b>	/Gary B. Rosenbaum/		
<b>DATE SIGNED:</b>	10/13/2018		
<b>Total Attachments: 14</b>			

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## PLAIN ENGLISH INTELLECTUAL PROPERTY SECURITY AGREEMENT

This is a Plain English Intellectual Property Security Agreement dated as of October 3, 2018 by and between TRIPLEPOINT CAPITAL LLC, a Delaware limited liability company, and TI ACQUISITION CORP., a Delaware corporation (the "Agreement").

The words "We", "Us", or "Our", refer to the grantee, which is TRIPLEPOINT CAPITAL LLC. The words "You" or "Your" refers to the grantor, which is TI ACQUISITION CORP. and not any individual. The words "the Parties" refers to both TRIPLEPOINT CAPITAL LLC and TI ACQUISITION CORP.

The Parties have entered into a Plain English Loan and Security Agreement dated as of August 31, 2018 (together with amendments, supplements, extensions and exhibits, and as amended, restated, supplemented or otherwise modified to the date hereof, collectively the "Underlying Security Agreement"). Pursuant to the Underlying Security Agreement, You have granted to Us a lien on and a security interest in all the present and future rights, title, and interest that You may now have or hereafter acquire in all Patents, Trademarks, Copyrights, and applications for Patents, Trademarks and Copyrights.

In consideration for the mutual covenants and agreements contained in the Underlying Security Agreement and this Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged, the Parties agree as follows:

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### 1. GRANT OF SECURITY INTEREST

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You grant to Us a lien upon and continuing security interest in all of Your right, title, and interest in, to and under all of the following (all of the following items of property collectively will be referred to as the "Intellectual Property Collateral"), whether now existing or hereafter arising or acquired:

- ⇒ all Patents, Patent Licenses, and Patent applications, including specifically those listed on the attached **Schedule A**, together with any reissues, divisions, continuations, renewals, extensions and continuations thereof;
- ⇒ all Trademarks, Trademark Licenses, and trademark applications, including specifically those listed on the attached **Schedule B** together with any renewals thereof;
- ⇒ all Copyrights, Copyright Licenses, and applications for Copyrights, including specifically those listed on the attached **Schedule C**;
- ⇒ the right to sue for past, present and future infringements of the foregoing and all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof; and
- ⇒ all Proceeds.

You represent and warrant to Us that Schedules A, B, and C attached hereto set forth any and all intellectual property rights in connection to which You have registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

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### 2. Underlying Security Agreement

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This security interest is granted to secure the Secured Obligations, under the Underlying Security Agreement. All the capitalized terms used but not otherwise defined are used in this Agreement with the same meaning as defined in the Underlying Security Agreement.

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### 3. OUR RIGHT TO SUE

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From and after an Event of Default, subject to the terms of the Underlying Security Agreement, We shall have the right, but shall in no way be obligated, to bring suit in Our own name to enforce Your rights in the Intellectual Property Collateral. If We commence any such suit, You shall, at Our request, do all lawful acts and execute and deliver all proper documents or information that may be necessary or desirable to aid Us in such enforcement. You shall promptly, upon demand, reimburse and indemnify Us for all of Our costs and expenses, including reasonable attorney's fees, related to Our exercise of the above mentioned rights.

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**4. FURTHER ASSURANCES**

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You will from time to time execute, deliver and file, alone or with Us, any security agreements, or other documents to perfect and give priority to Our lien on the Intellectual Property Collateral. You will from time to time obtain any instruments or documents as We may request, and take all further action that may be reasonably necessary or desirable, or that We may reasonably request, to carry out more effectively the provisions and purposes of this Agreement or any other related agreements or to confirm, perfect, preserve and protect the liens granted to Us.

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**5. MODIFICATION**

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This Agreement can only be altered, amended or modified in a writing signed by the Parties. Notwithstanding the foregoing however, You hereby irrevocably appoint Us (and any of Our designated officers, agents or employees) as Your true and lawful attorney to modify, in Our sole discretion, this Agreement without first obtaining Your approval or signature to such modification by amending Schedules A, B, and C to this Agreement, as appropriate, to include reference to any right, title or interest in any Intellectual Property Collateral acquired by You before or after the execution hereof or to delete any reference to any right, title or interest in any Intellectual Property Collateral in which You no longer have or claim to have any right, title or interest. The appointment of Us as Your attorney in fact, and each and every one of Our rights and powers, being coupled with an interest, is irrevocable until all of the Secured Obligations have been Paid in Full.

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**6. BINDING EFFECT; REMEDIES NOT EXCLUSIVE**

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This Agreement shall be binding upon You and Your respective successors and assigns, and shall inure to the benefit of Us, and Our nominees and assigns.

Our rights and remedies with respect to the security interest granted hereby are in addition to those set forth in the Underlying Security Agreement and the other Loan Documents, and those which are now or hereafter available to Us as a matter of law or equity. Each of Our rights, powers and remedies provided for herein or in the Underlying Security Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Us of any one or more of the rights, powers or remedies provided for in this Agreement, the Underlying Security Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Us, of any or all other rights, powers or remedies.

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**7. GOVERNING LAW; COUNTERPARTS**

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This Agreement shall be deemed made and accepted in and shall be governed by and construed in accordance with the laws of the State of California, and (where applicable) the laws of the United States of America.

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

(Signature Page to Follow)

IN WITNESS WHEREOF, You have duly executed this Agreement as of the date first set forth above.

You: **TI ACQUISITION CORP.**

Signature: 

Print Name: Alex Bouzari

Title: Chief Executive Officer

[SIGNATURE PAGE TO PLAIN ENGLISH INTELLECTUAL PROPERTY SECURITY AGREEMENT – TI  
ACQUISITION CORP.]

**SCHEDULE A**

**To Plain English Intellectual Property Security Agreement  
Between TI ACQUISITION CORP., as You (Grantor)  
and TRIPLEPOINT CAPITAL LLC, as Us (Grantee)**

**PATENTS AND PATENT APPLICATIONS**

See attached.

**Case Summary**

Firm Reference	Client Reference	Country	Patent Type	Status	Application Number	Filed Date	Patent Number	Granted Date	Title
TINTP001		United States of America	Non Provisional	Granted	13/094,636	04/26/2011	9,135,033	09/15/2015	VIRTUAL MACHINE STORAGE
TINTP001+		United States of America	Provisional	Expired	61/343,385	04/27/2010			STORING AND MANAGING VIRTUAL MACHINE STORAGE USING VIRTUAL MACHINE ABSTRACTIONS
TINTP001C1		United States of America	Non Provisional	Granted	14/717,764	05/20/2015	9,535,739	01/03/2017	VIRTUAL MACHINE STORAGE
TINTP002		United States of America	Non Provisional	Application	13/094,639	04/26/2011			RESOURCE ALLOCATION FOR VIRTUAL MACHINE STORAGE
TINTP002+		United States of America	Provisional	Expired	61/343,383	04/27/2010			RESOURCE ALLOCATION FOR VIRTUAL MACHINE STORAGE
TINTP003		United States of America	Non Provisional	Granted	13/094,682	04/26/2011	8,463,825	06/11/2013	HYBRID FILE SYSTEM FOR VIRTUAL MACHINE STORAGE
TINTP003+		United States of America	Provisional	Expired	61/343,384	04/27/2010			HYBRID FLASH-DISK FILE SYSTEM FOR VIRTUAL MACHINE STORAGE
TINTP004		United States of America	Non Provisional	Granted	13/421,712	03/15/2012	8,909,894	12/09/2014	AUTOMATICALLY ALIGNING VIRTUAL BLOCKS TO PHYSICAL BLOCKS
TINTP004+		United States of America	Provisional	Expired	61/453,356	03/16/2011			AUTOMATICALLY ALIGNING BLOCKS OF VIRTUAL DISKS FOR VMS
TINTP004C1		United States of America	Non Provisional	Granted	14/509,857	10/08/2014	9,256,474	02/09/2016	AUTOMATICALLY ALIGNING VIRTUAL BLOCKS TO PHYSICAL BLOCKS
TINTP005		United States of America	Non Provisional	Granted	13/421,714	03/15/2012	9,128,910	09/08/2015	AVOIDING LONG ACCESS LATENCIES IN REDUNDANT STORAGE SYSTEMS
TINTP005+		United States of America	Provisional	Expired	61/453,362	03/16/2011			AVOIDING LONG DISK ACCESS LATENCIES IN REDUNDANT STORAGE SYSTEMS
TINTP005C1		United States of America	Non Provisional	Granted	14/814,280	07/30/2015	9,569,131	02/14/2017	AVOIDING LONG ACCESS LATENCIES IN REDUNDANT STORAGE SYSTEMS
TINTP005C2		United States of America	Non Provisional	Granted	15/382,869	12/19/2016	9,921,758	03/20/2018	AVOIDING LONG ACCESS LATENCIES IN REDUNDANT STORAGE SYSTEMS
TINTP006		United States of America	Non Provisional	Granted	13/938,005	07/09/2013	9,529,808	12/27/2016	EFFICIENT AND FLEXIBLE ORGANIZATION AND MANAGEMENT OF FILE METADATA
TINTP006+		United States of America	Provisional	Expired	61/672,165	07/16/2012			EFFICIENT AND FLEXIBLE ORGANIZATION AND MANAGEMENT OF FILE METADATA
TINTP006C1		United States of America	Non Provisional	Published	15/343,070	11/03/2016			EFFICIENT AND FLEXIBLE ORGANIZATION AND MANAGEMENT OF FILE METADATA
TINTP007		United States of America	Non Provisional	Application	14/043,485	10/01/2013			USING A CONTROL VIRTUAL DISK FOR STORAGE MANAGEMENT
TINTP007+		United States of America	Provisional	Expired	61/709,062	10/02/2012			USING A CONTROL VIRTUAL DISK FOR SELF-SERVICE STORAGE MANAGEMENT
TINTP008+		United States of America	Provisional	Expired	61/777,342	03/12/2013			EFFICIENT DATA SYNCHRONIZATION FOR STORAGE CONTAINERS
TINTP008N		United States of America	Non Provisional	Granted	14/202,836	03/10/2014	9,817,835	11/14/2017	EFFICIENT DATA SYNCHRONIZATION FOR STORAGE CONTAINERS
TINTP008NC1		United States of America	Non Provisional	Published	15/690,626	08/30/2017			EFFICIENT DATA SYNCHRONIZATION FOR STORAGE CONTAINERS
TINTP008NEP		European	Non Provisional	Published	14778982	03/11/2014			EFFICIENT DATA SYNCHRONIZATION FOR STORAGE CONTAINERS
TINTP008NPT		Patent Cooperation Treaty	Non Provisional	Published	PCT/US14/23486	03/11/2014			EFFICIENT DATA SYNCHRONIZATION FOR STORAGE CONTAINERS
TINTP009		United States of America	Non Provisional	Granted	13/938,011	07/09/2013	9,710,475	07/18/2017	SYNCHRONIZATION OF DATA

TINTP010	United States of America	Non Provisional	Published	14/472,834	08/29/2014		REPLICATION OF SNAPSHOTS AND CLONES
TINTP010+	United States of America	Provisional	Expired	61/873,241	09/03/2013		REPLICATION OF SNAPSHOTS AND CLONES
TINTP010EP	European	Non Provisional	Published	14841628.2	09/02/2014		REPLICATION OF SNAPSHOTS AND CLONES
TINTP010JP	Japan	Non Provisional	Granted	2016-537937	09/02/2014	6309103	REPLICATION OF SNAPSHOTS AND CLONES
TINTP010PCT	Patent Cooperation Treaty	Non Provisional	Expired	PCT/US14/53709	09/02/2014		REPLICATION OF SNAPSHOTS AND CLONES
TINTP011	United States of America	Non Provisional	Application	14/594,479	01/12/2015		RECOVERY OF IN-MEMORY STATE IN A LOG-STRUCTURED FILESYSTEM USING FUZZY CHECKPOINTS
TINTP011+	United States of America	Provisional	Expired	61/926,674	01/13/2014		CONSTANT-TIME RECOVERY OF IN-MEMORY STATE IN A LOG-STRUCTURED FILE SYSTEM USING SELF-THROTTLED FUZZY CHECKPOINTS
TINTP012	United States of America	Non Provisional	Granted	14/709,332	05/11/2015	9,632,812	COLLECTING DATA ASSOCIATED WITH VIRTUAL MACHINES FROM VARIOUS DATA SOURCES
TINTP012+	United States of America	Provisional	Expired	61/991,995	05/12/2014		SYNTHETIC VIRTUAL MACHINES
TINTP013	United States of America	Non Provisional	Granted	15/013,859	02/02/2016	9,946,604	OPTIMIZED REMOTE CLONING
TINTP013+	United States of America	Provisional	Expired	62/111,833	02/04/2015		MIGRATION OF DATA FILES IN SNAPSHOTS
TINTP013C1	United States of America	Non Provisional	Application	15/915,299	03/08/2018		OPTIMIZED REMOTE CLONING
TINTP014	United States of America	Non Provisional	Application	15/013,872	02/02/2016		FINE-GRAINED STORAGE SYSTEM-BASED RESTORE OF FILES FROM VIRTUAL MACHINE SNAPSHOTS
TINTP014+	United States of America	Provisional	Expired	62/111,842	02/04/2015		FINE-GRAINED STORAGE ARRAY-BASED RESTORE OF GUEST OPERATING SYSTEM FILES FROM VIRTUAL MACHINE SNAPSHOTS
TINTP015	United States of America	Non Provisional	Application	15/074,492	03/18/2016		DETECTING AND PIN-POINTING DATA CORRUPTION
TINTP015+	United States of America	Provisional	Expired	62/136,231	03/20/2015		DETECTING AND PIN-POINTING DATA CORRUPTION
TINTP016	United States of America	Non Provisional	To Be Issued	15/074,501	03/18/2016	9,990,263	EFFICIENT USE OF SPARE DEVICE(S) ASSOCIATED WITH A GROUP OF DEVICES
TINTP016+	United States of America	Provisional	Expired	62/136,216	03/20/2015		EFFICIENT USE OF SPARE DRIVE(S) TO IMPROVE RELIABILITY AND PERFORMANCE OF PARITY-ENCODED RAIDS
TINTP016C1	United States of America	Non Provisional	Application	15/973,233	05/07/2018		EFFICIENT USE OF SPARE DEVICE(S) ASSOCIATED WITH A GROUP OF DEVICES
TINTP017	United States of America	Non Provisional	Application	14/709,341	05/11/2015		CLUSTER VIRTUAL MACHINES
TINTP018	United States of America	Non Provisional	Application	15/092,048	04/06/2016		OPTIMIZED SERVICING OF REQUESTS RELATED TO A BULK DATA TRANSFER
TINTP018+	United States of America	Provisional	Expired	62/144,511	04/08/2015		ADAPTING STORAGE DEVICE BEHAVIOR TO STORAGE MIGRATION
TINTP019	United States of America	Non Provisional	Published	15/092,345	04/06/2016		NATIVE STORAGE QUALITY OF SERVICE FOR VIRTUAL MACHINES



TINTP019+	United States of America	Provisional	Expired	62/144,518	04/08/2015	NATIVE STORAGE QUALITY OF SERVICE FOR VIRTUAL MACHINES WITH PER-VM CONTENTION VISUALIZATION AND AUTO ALLOCATION POLICIES
TINTP019EP	European	Non Provisional	Published	16777208.6	04/06/2016	NATIVE STORAGE QUALITY OF SERVICE FOR VIRTUAL MACHINES
TINTP019JP	Japan	Non Provisional	Application	2017-552839	04/06/2016	NATIVE STORAGE QUALITY OF SERVICE FOR VIRTUAL MACHINES
TINTP019PCT	Patent Cooperation Treaty	Non Provisional	Application	PCT/US16/26229	04/06/2016	NATIVE STORAGE QUALITY OF SERVICE FOR VIRTUAL MACHINES
TINTP020	United States of America	Non Provisional	Application	15/092,054	04/06/2016	ADJUSTING STORAGE SYSTEM BEHAVIOR TO STORAGE MIGRATION
TINTP021	United States of America	Non Provisional	Published	15/092,363	04/06/2016	AUTO ALLOCATION OF STORAGE SYSTEM RESOURCES TO HETEROGENEOUS CATEGORIES OF RESOURCE CONSUMER
TINTP022	United States of America	Non Provisional	Application	15/271,156	09/20/2016	MULTI-TIER MECHANISM TO ACHIEVE HIGH AVAILABILITY IN A MULTI-CONTROLLER SYSTEM
TINTP023	United States of America	Non Provisional	Application	15/282,120	09/30/2016	EFFICIENT DELETION OF SHARED SNAPSHOTS
TINTP024	United States of America	Non Provisional	Application	15/269,395	09/19/2016	FAST CONTAINER DISTRIBUTION WITH STORAGE ACCELERATION
TINTP025	United States of America	Non Provisional	Application	15/803,407	11/03/2017	BALANCED WEAR LEVELING IN AN SSD RAID GROUP USING ROTATED SPARING
TINTP025+	United States of America	Provisional	Expired	62/427,744	11/29/2016	BALANCED WEAR LEVELING IN A RAID GROUP USING SPARE SSDS
TINTP026	United States of America	Non Provisional	Application	15/848,330	12/20/2017	POLICY-DRIVEN RAID REBUILD
TINTP026+	United States of America	Provisional	Expired	62/436,994	12/20/2016	POLICY-DRIVEN RAID REBUILD
TINTP027	United States of America	Non Provisional	Application	15/830,352	12/04/2017	EFFICIENT DEDUPLICATION FOR STORAGE SYSTEMS
TINTP027+	United States of America	Provisional	Expired	62/465,525	03/01/2017	EFFICIENT DEDUPLICATION FOR HIGH CAPACITY SYSTEMS
TINTP028	United States of America	Non Provisional	Application	15/834,421	12/07/2017	DYNAMIC BLOCK OPTIMIZATION FOR SPACE AND PERFORMANCE
TINTP028+	United States of America	Provisional	Expired	62/465,029	02/28/2017	DYNAMIC BLOCK OPTIMIZATION FOR SPACE AND PERFORMANCE
TINTP029	United States of America	Non Provisional	Application	15/886,156	02/01/2018	HANDLING A DEVICE IN A LATENCY STATE IN A REDUNDANT STORAGE SYSTEM
TINTP029+	United States of America	Provisional	Converted	62/482,028	04/05/2017	HIDING HIGH WRITE LATENCIES FROM TRANSIENTLY MISBEHAVING DRIVES IN A RAID SUBSYSTEM
TINTP030	United States of America	Non Provisional	Application	15/693,244	08/31/2017	LOAD BALANCING USING PREDICTIVE VM-BASED ANALYTICS
TINTP030+	United States of America	Provisional	Expired	62/448,251	01/19/2017	LOAD BALANCING USING PREDICTIVE VM-BASED ANALYTICS
TINTP031	United States of America	Non Provisional	Application	15/693,245	08/31/2017	ACCESS RATE PREDICTION IN A HYBRID STORAGE DEVICE
TINTP031+	United States of America	Provisional	Expired	62/448,255	01/19/2017	ACCESS RATE PREDICTION IN A HYBRID STORAGE DEVICE
TINTP032	United States of America	Non Provisional	Application	15/693,249	08/31/2017	FLASH MISS RATE PREDICTION IN A HYBRID STORAGE SYSTEM
TINTP032+	United States of America	Provisional	Expired	62/448,253	01/19/2017	FLASH MISS RATE PREDICTION IN A HYBRID STORAGE SYSTEM
TINTP032+	United States of America	Provisional	Expired	62/448,253	01/19/2017	MODELING SPACE CONSUMPTION OF A MIGRATED VM

TINTP033	2016-011	United States of America	Non Provisional	Application	15/693,251	08/31/2017	LOAD BALANCING VM SELECTION AND MOVEMENT
TINTP033+	2016-011	United States of America	Provisional	Expired	62/448,257	01/19/2017	LOAD BALANCING VM SELECTION AND MOVEMENT
TINTP034		United States of America	Non Provisional	Application	15/877,072	01/22/2018	AUTOMATIC DATA PROTECTION FOR VIRTUAL MACHINES USING VIRTUAL MACHINE ATTRIBUTES
TINTP034+	2016-013	United States of America	Provisional	Expired	62/449,942	01/24/2017	METHOD TO FACILITATE AUTOMATIC DATA PROTECTION FOR VIRTUAL MACHINES USING VIRTUAL MACHINE ATTRIBUTES
TINTP035		United States of America	Non Provisional	Application	15/702,557	09/12/2017	DYNAMIC RAID EXPANSION
TINTP035+		United States of America	Provisional	Expired	62/464,219	02/27/2017	DYNAMIC RAID EXPANSION
TINTP036		United States of America	Non Provisional	Application	15/975,483	05/09/2018	VM DATA MIGRATION BETWEEN STORAGE DEVICES
TINTP036+	2017-005	United States of America	Provisional	Converted	62/503,715	05/09/2017	VM DATA MIGRATION BETWEEN STORAGE DEVICES
TINTP037		United States of America	Non Provisional	Cancelled			VOICE OPERATED INFRASTRUCTURE
TINTP037+	2017-002	United States of America	Provisional	Abandoned	62/531,633	07/12/2017	VOICE OPERATED INFRASTRUCTURE
TINTP038	2017-010	United States of America	Non Provisional	To Be Filed			LOGICAL SYNCHRONOUS REPLICATION SYSTEM
TINTP038+	2017-010	United States of America	Provisional	Application	62/551,141	08/28/2017	LOGICAL SYNCHRONOUS REPLICATION SYSTEM
TINTP039	2017-011	United States of America	Non Provisional	To Be Filed			SYNCHRONOUS REPLICATION OF WRITE OPERATIONS TO ENSURE IDENTICAL CONTENT
TINTP039+	2017-011	United States of America	Provisional	Application	62/551,144	08/28/2017	SYNCHRONOUS REPLICATION OF WRITE OPERATIONS TO ENSURE IDENTICAL CONTENT
TINTP040	2017-012	United States of America	Non Provisional	To Be Filed			SYNCHRONOUS REPLICATION OF LOGICAL FILESYSTEM OPERATIONS
TINTP040+	2017-012	United States of America	Provisional	Application	62/551,146	08/28/2017	SYNCHRONOUS REPLICATION OF LOGICAL FILESYSTEM OPERATIONS
TINTP041	2017-013	United States of America	Non Provisional	To Be Filed			RESYNCHRONIZING A SYNCHRONOUSLY REPLICATED DIRECTORY USING A COMBINATION OF METHODS
TINTP041+	2017-013	United States of America	Provisional	Application	62/551,149	08/28/2017	RESYNCHRONIZING A SYNCHRONOUSLY REPLICATED DIRECTORY USING A COMBINATION OF METHODS
TINTP042	2017-014	United States of America	Non Provisional	To Be Filed			DISTRIBUTED FILESYSTEM INTEGRITY VERIFICATION
TINTP042+	2017-014	United States of America	Provisional	Application	62/551,151	08/28/2017	DISTRIBUTED FILESYSTEM INTEGRITY VERIFICATION
TINTP043	2017-015	United States of America	Non Provisional	To Be Filed			SYNCHRONOUS REPLICATION END TO END LATENCY REPORTING
TINTP043+	2017-015	United States of America	Provisional	Application	62/551,152	08/28/2017	SYNCHRONOUS REPLICATION END TO END LATENCY REPORTING
TINTP044	2017-017	United States of America	Non Provisional	To Be Filed			NON-DISRUPTIVE DYNAMIC UNCONFIGURATION OF LOGICAL SYNCHRONOUS REPLICATION
TINTP044+	2017-017	United States of America	Provisional	Application	62/551,154	08/28/2017	NON-DISRUPTIVE DYNAMIC UNCONFIGURATION OF LOGICAL SYNCHRONOUS REPLICATION

TINTP045	2017-016	United States of America	Non Provisional	To Be Filed			GENERALIZED LOGICAL FILESYSTEM BARRIERS
TINTP045+	2017-016	United States of America	Provisional	Application	62/551,156	08/28/2017	GENERALIZED LOGICAL FILESYSTEM BARRIERS
TINTP046		United States of America	Non Provisional	To Be Filed			VM BASED SNAPSHOT REPLICATION TO A CLOUD OBJECT STORE
TINTP046+	GAL-P1	United States of America	Provisional	Application	62/550,936	08/28/2017	VM BASED SNAPSHOT REPLICATION TO A CLOUD OBJECT STORE
TINTP047		United States of America	Non Provisional	To Be Filed			CUSTOM AND FLEXIBLE SCHEDULES FOR REPLICATING SNAPSHOTS
TINTP047+	GAL-P13	United States of America	Provisional	Application	62/551,158	08/28/2017	CUSTOM AND FLEXIBLE SCHEDULES FOR REPLICATING SNAPSHOTS
TINTP048		United States of America	Non Provisional	To Be Filed			DATA SHARING BETWEEN CLOUD SNAPSHOTS AND SAFELY RECLAIMING UNUSED SPACE OF DELETED SNAPSHOTS CONTAINING SHARED DATA
TINTP048+	GAL-P4	United States of America	Provisional	Application	62/551,162	08/28/2017	DATA SHARING BETWEEN CLOUD SNAPSHOTS AND SAFELY RECLAIMING UNUSED SPACE OF DELETED SNAPSHOTS CONTAINING SHARED DATA
TINTP049		United States of America	Non Provisional	To Be Filed			NAMING, SEQUENCING AND GLOBAL ENUMERATION OF VM SNAPSHOT JOBS IN A CLOUD OBJECT STORE, FROM A CLUSTER OF HETEROGENOUS AND LOOSELY COUPLED NODES
TINTP049+	GAL-P2	United States of America	Provisional	Application	62/551,129	08/28/2017	NAMING, SEQUENCING AND GLOBAL ENUMERATION OF VM SNAPSHOT JOBS IN A CLOUD OBJECT STORE, FROM A CLUSTER OF HETEROGENOUS AND LOOSELY COUPLED NODES
TINTP050		United States of America	Non Provisional	To Be Filed			OWNERSHIP DELEGATION TO SURVIVE FAILURES IN A CLUSTER OF HETEROGENOUS NODES, FOR THE PURPOSE OF MANAGING CLOUD SNAPSHOTS
TINTP050+	GAP-P8	United States of America	Provisional	Application	62/551,164	08/28/2017	OWNERSHIP DELEGATION TO SURVIVE FAILURES IN A CLUSTER OF HETEROGENOUS NODES, FOR THE PURPOSE OF MANAGING CLOUD SNAPSHOTS
TINTP051		United States of America	Non Provisional	To Be Filed			EFFICIENT DIFFERENCING AND RESYNCHRONIZATION BETWEEN PRIMARY STORAGE SNAPSHOTS AND SNAPSHOTS IN A CLOUD OBJECT STORE
TINTP051+	GAL-P10	United States of America	Provisional	Application	62/551,139	08/28/2017	EFFICIENT DIFFERENCING AND RESYNCHRONIZATION BETWEEN PRIMARY STORAGE SNAPSHOTS AND SNAPSHOTS IN A CLOUD OBJECT STORE
TINTP052		United States of America	Non Provisional	To Be Filed			CLUSTER MANAGER TAKE OVER AND ENCRYPTION KEY MANAGEMENT FOR THE PURPOSE OF REPLICATING SNAPSHOTS TO THE CLOUD FROM A CLUSTER OF LOOSELY COUPLED NODES

TINTP052+	GAL-P3	United States of America	Provisional	Application	62/551,161	08/28/2017	CLUSTER MANAGER TAKE OVER AND ENCRYPTION KEY MANGAEMENT FOR THE PURPOSE OF REPLICATING SNAPSHOTS TO THE CLOUD FROM A CLUSTER OF LOOSELY COUPLED NODES
TINTP053+		United States of America	Provisional	Application	62/577,614	10/28/2017	NEAR-INSTANT TRANSLATION OF ONE VIRTUAL DISK FORMAT TO ANOTHER
TINTP054		United States of America	Non Provisional	Application	15/830,345	12/04/2017	EFFICIENT RECOVERY OF DUPLICATION DATA FOR HIGH CAPACITY SYSTEMS
TINTP055		United States of America	Non Provisional	To Be Filed			DELETION AND SPACE RECLAMATION OF INCOMPLETE SNAPSHOT IMAGES ON AN EVENTUALLY CONSISTENT KEY VALUE STORE
TINTP055+	GAL-P12	United States of America	Provisional	Application	62/610,031	12/22/2017	DELETION AND SPACE RECLAMATION OF INCOMPLETE SNAPSHOT IMAGES ON AN EVENTUALLY CONSISTENT KEY VALUE STORE
TINTP056+		United States of America	Provisional	Application	62/627,866	02/08/2018	DRIVE-BY-DRIVE EXPANSION WITH ESTIMATOR
TINTP057		United States of America	Non Provisional	To Be Filed			CHECKSUMS TO VERIFY INTEGRITY OF A SNAPSHOT
TINTP057+	GAL-P7	United States of America	Provisional	Application	62/625,451	02/02/2018	CHECKSUMS TO VERIFY INTEGRITY OF A SNAPSHOT
TINTP058		United States of America	Non Provisional	To Be Filed			OPTIMIZING A STORAGE SYSTEM SNAPSHOT RESTORE BY EFFICIENTLY FINDING DUPLICATE DATA
TINTP058+	GAL-P14	United States of America	Provisional	Application	62/647,073	03/23/2018	OPTIMIZING A STORAGE SYSTEM SNAPSHOT RESTORE BY EFFICIENTLY FINDING DUPLICATE DATA
TINTP059		United States of America	Non Provisional	Application	15/975,494	05/09/2018	HYPERVISOR REMOTE OFFLOAD FOR VM DATA MIGRATION BETWEEN STORAGE DEVICES

**SCHEDULE B**

**To Plain English Intellectual Property Security Agreement  
Between TI ACQUISITION CORP., as You (Grantor)  
and TRIPLEPOINT CAPITAL LLC, as Us (Grantee)**

**TRADEMARKS AND TRADEMARK APPLICATIONS**

See attached.

Record Type	Record Name	TM Application	Trademark Reference	Mark Name	Mark Type	Document Link	Secondary Status	Application Type	Country	Status	App No.	Filed Date	International Classes	Mark Image
TM Application	03525.T001JP - Registered - JP - 1202850 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049911	03525.T001JP	TINTRI GLOBAL CENTER	Word - Block Letters				Japan	Registered	1202850	2/26/2014:42,9		
TM Application	03525.T001WO - Registered - EM - A0041047 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049912	03525.T001WO	TINTRI GLOBAL CENTER	Word - Block Letters				European Union IPO	Registered	A0041047	2/26/2014:42,9		
TM Application	03525.T001CA - Registered - CA - 1665561 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049913	03525.T001CA	TINTRI GLOBAL CENTER	Word - Block Letters				Canada	Registered	1665561	2/26/2014:42,9		
TM Application	03525.T001ID - Published - ID - D0020140081 74 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049914	03525.T001ID	TINTRI GLOBAL CENTER	Word - Block Letters				Indonesia	Published	D0020140 08174	5/26/2014:42,9		
TM Application	03525.T001MY - Registered - MY - 2014052719 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049915	03525.T001MY2	TINTRI GLOBAL CENTER	Word - Block Letters				Malaysia	Registered	20140527 19	2/26/2014:9		
TM Application	03525.T001TW - Registered - TW - 103010303 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049916	03525.T001TW	TINTRI GLOBAL CENTER	Word - Block Letters				Taiwan	Registered	10301030 3	2/26/2014:42,9		
TM Application	03525.T001US - Registered - US - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049917	03525.T001US	TINTRI GLOBAL CENTER	Word - Block Letters				United States of America	Registered	86049490	8/26/2013:42,9		
TM Application	03525.T001WO - Registered - AU - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049918	03525.T001WO.AU	TINTRI GLOBAL CENTER	Word - Block Letters				Australia	Registered	86049490	12/31/1899:42,9		
TM Application	03525.T001WO - Registered - CN - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049919	03525.T001WO.CN	TINTRI GLOBAL CENTER	Word - Block Letters				China	Registered	86049490	12/31/1899:42,9		
TM Application	03525.T001WO - Registered - EM - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049920	03525.T001WO.EU	TINTRI GLOBAL CENTER	Word - Block Letters				European Union IPO	Registered	86049490	8/26/2013:42,9		
TM Application	03525.T001WO - Registered - KR - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049921	03525.T001WO.KR	TINTRI GLOBAL CENTER	Word - Block Letters				Korea, Republic of (KR)	Registered	86049490	12/31/1899:42,9		
TM Application	03525.T001WO - Registered - MX - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049922	03525.T001WO.MX	TINTRI GLOBAL CENTER	Word - Block Letters				Mexico	Registered	86049490	8/26/2013:42		
TM Application	03525.T001WO - Registered - NZ - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049923	03525.T001WO.NZ	TINTRI GLOBAL CENTER	Word - Block Letters				New Zealand	Registered	86049490	12/31/1899:42,9		
TM Application	03525.T001WO - Registered - VN - 86049490 - TINTRI - GLOBAL - CENTER - - Word - Block - Letters	81049924	03525.T001WO.VN	TINTRI GLOBAL CENTER	Word - Block Letters				Vietnam	Registered	86049490	8/26/2013:42,9		
TM Application	03525.T002US - Abandoned - US - 86060264 - FLASHFIRST - Word - Block - Letters	81049926	03525.T002US	FLASHFIRST	Word - Block Letters				United States of America	Abandoned	86060264	10/1/2013:9		

Tintrri, Inc. TM Portfolio Status 2017

COUNTRY	TRADEMARK	STATUS	APP. NO.	APP. DATE	REG. NO.	REG. DATE	CLASSES AND GOODS
US	TINTRI	Registered	85184682	11/24/2010	4388495	8/20/2013	[9] computer hardware and software for the purpose of virtual storage of data
US	TINTRI VMSTORE	Registered	85184690	11/24/2010	4580391	8/5/2014	[9] computer hardware and software for the purpose of virtual storage of data [9] Software for management of multiple storage devices; software for management of capacity and performance across multiple storage devices;
US	TINTRI VM SCALEOUT	Pending	86847058	12/1/2015			software for optimizing performance of storage devices and virtual machines; software for automating management of storage and performance policies for

**SCHEDULE C**

**To Plain English Intellectual Property Security Agreement  
Between TI ACQUISITION CORP., as You (Grantor)  
and TRIPLEPOINT CAPITAL LLC, as Us (Grantee)**

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None.