

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM444165

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Atlantis Computing, Inc.		07/26/2017	Corporation: DELAWARE
Insolvency Services Group, Inc.		07/26/2017	Corporation: CALIFORNIA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	ATLANTIS COMPUTING HOLDINGS, LLC		
<b>Street Address:</b>	2525 East Charleston Road		
<b>City:</b>	Mountain View		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	94043		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>PROPERTY NUMBERS Total: 10</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	86367587	STORAGE IS SOFTWARE	
<b>Registration Number:</b>	4774104	HYPERDUP	
<b>Registration Number:</b>	4719711	ATLANTIS USX	
<b>Registration Number:</b>	4637127	ATLANTIS ILIO USX	
<b>Serial Number:</b>	85879579	IN-MEMORY STORAGE	
<b>Serial Number:</b>	85826697	IN-MEMORY VDI	
<b>Registration Number:</b>	4444469	ATLANTIS ILIO DISKLESS VDI	
<b>Registration Number:</b>	4093022	ILIO	
<b>Registration Number:</b>	4093021	ATLANTIS COMPUTING	
<b>Serial Number:</b>	85150850	VSCALER	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	6124927077		
<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>	6124927000		
<b>Email:</b>	ip@fredlaw.com		
<b>Correspondent Name:</b>	Patricia A. Larson, Senior Paralegal		
<b>Address Line 1:</b>	Fredrikson & Byron, P.A.		

OP \$265.00 86367587

**Address Line 2:** 200 S. SIXTH STREET, SUITE 4000  
**Address Line 4:** MINNEAPOLIS, MINNESOTA 55402

**NAME OF SUBMITTER:** Patricia A. Larson

**SIGNATURE:** /Patricia A. Larson/

**DATE SIGNED:** 09/22/2017

**Total Attachments: 9**

source=IP Assignment for Atlantis #page1.tif

source=IP Assignment for Atlantis #page2.tif

source=IP Assignment for Atlantis #page3.tif

source=IP Assignment for Atlantis #page4.tif

source=IP Assignment for Atlantis #page5.tif

source=IP Assignment for Atlantis #page6.tif

source=IP Assignment for Atlantis #page7.tif

source=IP Assignment for Atlantis #page8.tif

source=IP Assignment for Atlantis #page9.tif

## INTELLECTUAL PROPERTY ASSIGNMENT

This INTELLECTUAL PROPERTY ASSIGNMENT (this "Assignment") is entered into as of August 16, 2017 to be effective as of July 26, 2017, by Atlantis Computing, Inc., a Delaware corporation ("Atlantis"), and Insolvency Services Group, Inc., a California corporation, solely in its capacity as assignee under a general assignment for the benefit of creditors of Atlantis Computing, Inc., a Delaware corporation ("ISG"), (Atlantis and ISG each an "Assignor", and collectively, "Assignors"), in favor of Atlantis Computing Holdings, LLC, a Delaware limited liability company ("Assignee").

Atlantis represented to ISG that it owned the patents, patent applications, trademark registrations, trademark applications and other intellectual property identified on the attached Schedule 1 (the "Scheduled IP"). Atlantis transferred to ISG all of its rights in and to its intellectual property, including the Scheduled IP. Pursuant to an Asset Purchase Agreement dated July 26, 2017 between ISG and Assignee, (the "Purchase Agreement"), ISG has agreed to assign to Assignee, among other assets, all of its right, title and interest in the Scheduled IP, and has agreed to execute and deliver this Assignment for recording with governmental authorities including, but not limited to, the United States Patent and Trademark Office. Assignors desire to assign to Assignee all of the rights in and to the intellectual property owned by Atlantis and transferred to ISG, including the Scheduled IP.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, each Assignor hereby assigns to Assignee, and its successors and assigns the following:

- (1) The entire right, title and interest in and to: (a) the patents and patent applications included in the Scheduled IP; (b) any other U.S. or foreign patent and patent application owned by either Assignor; (c) each U.S. and foreign patent application and patent to which the patents or patent applications in subparts (a) or (b) above claim priority, in whole or in part, or that claim priority, in whole or in part, to the patents or patent applications in subparts (a) or (b) above (all such patents and patent applications in subparts (a), (b) and (c) above, collectively, "Patents"); (d) the inventions disclosed or claimed in any Patent; (e) the entire right, title and interest to any continuations, continuations-in-part, divisions, renewals, reissues, extensions, and substitutions of the Patents; (f) the right to apply for patents based on the Patents in the U.S. and foreign countries in its own name and to claim any priority rights to which such applications are entitled under international conventions, treaties or otherwise; and (g) the right to enforce patent rights to the Patents as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment had not been made; together with all claims by Assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

- (2) The entire right, title and interest in and to (a) the trademarks, trademark registrations, trademark applications, service marks, service mark registrations and service mark applications included in the Scheduled IP; (b) any other U.S. or foreign trademarks, trademark registrations, trademark applications, service marks, service mark registrations and service mark applications owned by either Assignor; and (c) all associated goodwill associated with the trademarks, service marks, registrations and applications in subparts 2(a) and (b) above;
- (3) The entire right title and interest in and to (a) all copyrights, copyright registrations, copyright applications, domain names and other intellectual property included in the Scheduled IP; and (b) any other all copyrights, copyright registrations, copyright applications, domain names and other intellectual property owned by either Assignor;
- (4) All income, royalties, or payments now or hereafter due or payable with respect to any of the intellectual property in parts (1) – (3) above; and
- (5) The right to enforce the intellectual property rights assigned under this Assignment, including rights, interests, claims, and demands recoverable in law or equity that an Assignor has or may have in profits and damages for past, present and future infringements of the intellectual property rights assigned under this Assignment, including the right to compromise, sue for, and collect such profits and damages.

Each Assignor hereby authorizes the Commissioner of Patents and the Commission of Trademarks in the United States Patent and Trademark Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Assignment upon request by Assignee, and to issue to Assignee any patents or trademarks that may be granted in accordance with this Assignment. Following the date hereof, each Assignor shall take such steps and actions, and provide such cooperation and assistance to Assignee and its successors, assigns and legal representatives, including the execution and delivery of any affidavits, declarations, oaths, exhibits, assignments, powers of attorney, or other documents, as may be necessary to effect, evidence or perfect the assignment of the assigned intellectual property to Assignee, or any assignee or successor thereto.

This Assignment is subject to the terms, conditions, representations and covenants as set forth in the Purchase Agreement, all of which to the extent applicable are incorporated herein by reference. Nothing in this Assignment, express or implied, is intended or shall be construed to expand or defeat, impair or limit in any way the rights, obligations, claims or remedies of the parties as set forth in the Purchase Agreement.

We hereby authorize attorneys associated with Customer No. 22859, of Fredrikson & Byron, P.A., of 200 South Sixth Street, Suite 4000, Minneapolis, Minnesota, 55402-1425, to insert the application numbers, filing dates, and other identifying information on Schedule 1 when known.

This Assignment shall be binding upon and inure to the benefit of the parties to this Assignment and their successors and assigns

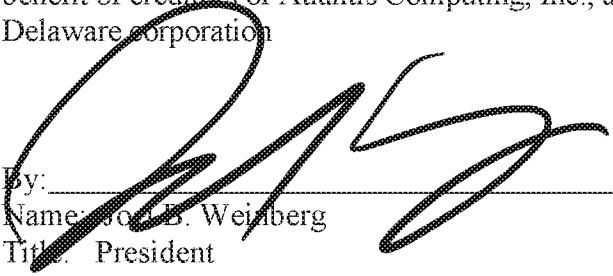
This Assignment may be executed in multiple counterparts, all of which shall be considered one and the same agreement and shall become effective when one or more counterparts have been signed by each of the parties delivered to the other party, it being understood that all parties need not sign the same counterpart. Copies of this Assignment with signatures transmitted by facsimile or electronically (e.g., pdf) shall be deemed to be original signed versions of this Assignment.

*[Signature Page Follows]*

IN WITNESS WHEREOF, the parties have executed this instrument as of the date first written above.

Atlantis Computing, Inc., a Delaware corporation,  
by Insolvency Services Group, Inc., solely in its  
capacity as assignee and pursuant to the authority of a  
power of attorney under a general assignment for the  
benefit of creditors of Atlantis Computing, Inc., a  
Delaware corporation

Date: \_\_\_\_\_

By:   
Name: Joel B. Weinberg  
Title: President

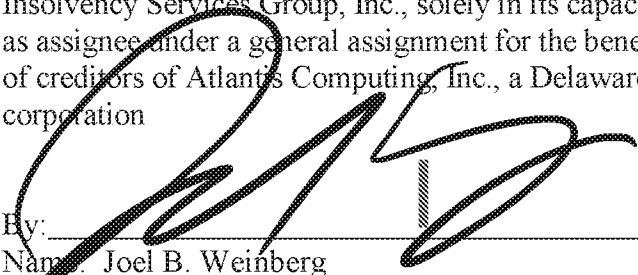
Subscribed to and sworn to before  
me this \_\_\_\_ day of \_\_\_\_\_, 201\_\_.

\_\_\_\_\_  
Notary Public

Notary Seal

Insolvency Services Group, Inc., solely in its capacity  
as assignee under a general assignment for the benefit  
of creditors of Atlantis Computing, Inc., a Delaware  
corporation

Date: \_\_\_\_\_

By:   
Name: Joel B. Weinberg  
Title: President


Subscribed to and sworn to before  
me this \_\_\_\_ day of \_\_\_\_\_, 201\_\_.

\_\_\_\_\_  
Notary Public

Notary Seal

Atlantis Computing Holdings, LLC

Date: \_\_\_\_\_

By:  \_\_\_\_\_  
Name: DFFB879250944B3...  
Title:

Subscribed to and sworn to before  
me this \_\_\_\_ day of \_\_\_\_\_, 201\_\_.

\_\_\_\_\_  
Notary Public

Notary Seal

**SCHEDULE 1****US Patents**

<b>Patent No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Status</b>
8732401	2011-10-07	Method And Apparatus For Cache Replacement Using A Catalog	Issued
8996800	2011-10-07	Deduplication Of Virtual Machine Files In A Virtualized Desktop Environment	Issued
9277010	2012-12-21	Systems And Apparatuses For Aggregating Nodes To Form An Aggregated Virtual Storage For A Virtualized Desktop Environment	Issued
9069472	2012-12-21	Method For Dispersing And Collating I/O's From Virtual Machines For Parallelization Of I/O Access And Redundancy Of Storing Virtual Machine Data	Issued
9372865	2013-02-12	Deduplication Metadata Access In Deduplication File System	Issued
9250946	2013-02-12	Efficient Provisioning Of Cloned Virtual Machine Images Using Deduplication Metadata	Issued
9471590	2013-02-12	Method And Apparatus For Replicating Virtual Machine Images Using Deduplication Metadata	Issued
8874877	2014-04-25	Method And Apparatus For Preparing A Cache Replacement Catalog	Issued
8868884	2014-04-25	Method And Apparatus For Servicing Read And Write Requests Using A Cache Replacement Catalog	Issued
8874851	2014-04-25	Systems And Methods For Intelligent Content Aware Caching	Issued

**US Patent Applications**

<b>Application No.</b>	<b>Publication No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Status</b>
61/036,409	--	2008-03-13	Mechanism To Separate A Virtual Machine Into OS Image, Application Image(s) And User Data Image(s)	Unpublished/Expired
61/049,331	--	2008-04-30	Mechanism To Allow Sharing Of A Common Operating System Image And Its Applications While Allowing User Specific Configurations And Changes	Unpublished/Expired
61/051,311	--	2008-05-07	Mechanism For Displaying An Application's Access Modes On A Web Page	Unpublished/Expired
61/052,608	--	2008-05-12	Mechanism For Providing Graphical Window Management Of Application Windows And Forms For An Operating System Environment Via A Web Browser Interface	Unpublished/Expired
61/056,266	--	2008-05-27	Mechanism to inspect a personal computer to create a custom plug-in to run on that environment	Unpublished/Expired
12/433,843	--	2009-04-30	Method And Apparatus For Allowing Sharing Of A Common Operating System Image And Its Applications While Allowing User Specific Configuration And Changes	Unpublished/Abandoned
61/505,524	--	2011-07-07	Deduplication Of Virtual Machine Files In A Virtualized Desktop Environment	Unpublished/Expired



Application No.	Publication No.	Filing Date	Title	Status
61/938,487	–	2014-02-11	Aggregating Memory To Create A Network Addressible Storage Volume For Storing Virtual Machine Files	Unpublished/ Expired
14/177,899	2015/0227 543	2014-02-11	Method And Apparatus For Replication Of Files And File Systems Using A Deduplication Key Space	Published
14/815,482	2017/0031 945	2015-07-31	Method And Apparatus For On-Disk Deduplication Metadata For A Deduplication File System	Published
14/815,494	2017/0031 768	2015-07-31	Method And Apparatus For Reconstructing And Checking The Consistency Of Deduplication Metadata Of A Deduplication File System	Published
14/815,507	2017/0031 946	2015-07-31	Method And Apparatus For Maintaining Data Consistency In An In-Place-Update File System With Data Deduplication	Published
62/305,839	–	2016-03-09	Method And Apparatus For Conversion Of Virtual Machine Formats Utilizing Deduplication Metadata	Unpublished/ Expired
15/453,710	–	2017-03-08	Method And Apparatus For Conversion Of Virtual Machine Formats Utilizing Deduplication Metadata	Unpublished
15/514,816	–	2017-03-27	Aggregating Memory To Create A Network Addressible Storage Volume For Storing Virtual Machine Files	Unpublished

## Foreign Patents and Applications

Country	Application No.	Publication No.	Filing Date	Title	Status
EP	13864394.5	2936314	2013-12-19	Method For Dispersing And Collating I/O's From Virtual Machines For Parallelization Of I/O Access And Redundancy Of Storing Virtual Machine Data	Withdrawn
EP	13865153.4	2936316	2013-12-19	Systems And Apparatuses For Aggregating Nodes To Form An Aggregated Virtual Storage For A Virtualized Desktop Environment	Withdrawn
EP	15154632.2	2905709	2015-11-02	Method And Apparatus For Replication Of Files And File Systems Using A Deduplication Key Space	Withdrawn
WO	PCT/US2013/0 76683	2014/100472	2013-12-19	Systems And Apparatuses For Aggregating Nodes To Form An Aggregated Virtual Storage For A Virtualized Desktop Environment	Expired
WO	PCT/US2013/0 76704	2014/100485	2013-12-19	Method For Dispersing And Collating I/O's From Virtual	Expired

Country	Application No.	Publication No.	Filing Date	Title	Status
				Machines For Parallelization Of I/O Access And Redundancy Of Storing Virtual Machine Data	
WO	PCT/US2015/015285	2015/123225	2015-10-02	Aggregating Memory To Create A Network Addressible Storage Volume For Storing Virtual Machine Files	Expired

U.S. Trademark Registrations and Applications

<b>Application Number</b>	<b>Registration Number</b>	<b>Trademark</b>
86367587		Storage is Software
86308791	4774104	Hyperdup
86370630	4719711	Atlantis USX
86248712	4637127	Atlantis ILIO USX
85879579		In-Memory Storage
85826697		In-Memory VDI
85539820	4444469	Atlantis ILIO Diskless VDI
85150855	4093022	ILIO
85150853	4093021	Atlantis Computing
85150850		VSCALER