PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 **EPAS ID: PAT7237285**

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADAPTIVE COMPUTING ENTERPRISES, INC.	11/22/2016

RECEIVING PARTY DATA

Name:	III HOLDINGS 12, LLC
Street Address:	2711 CENTERVILLE RD
Internal Address:	SUITE 400
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19808

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17700767

CORRESPONDENCE DATA

Fax Number: (312)321-4299

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: 3123214719

Email: USAssignments@crowell.com, lhedl@crowell.com

Correspondent Name: JOSEPH F. HETZ

Address Line 1: **CROWELL & MORING LLP**

Address Line 2: P.O. BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	516764.5000194
NAME OF SUBMITTER:	JOSEPH F. HETZ
SIGNATURE:	/Joseph F. Hetz/
DATE SIGNED:	03/22/2022

Total Attachments: 18

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PATENT REEL: 059474 FRAME: 0940

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Adaptive Computing Enterprises, Inc., a Delaware corporation having offices at 1712 S East Bay Blvd, Suite 300, Provo, Utah 84606 ("Assignor"), does hereby sell, assign, transfer, and convey unto III Holdings 12, LLC, a Delaware limited liability company, with an address at 2711 Centerville Rd, Suite 400, Wilmington, DE 19808 ("Assignee"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "Patents");

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
JP5355592	JP	01/31/2008	SYSTEM AND METHOD
			FOR MANAGING A
			HYBRID COMPUTE
	in in the state of	With a cook a cook	ENVIRONMENT
			David Brian Jackson
CA2738881	CA	10/03/2008	SYSTEM AND METHOD
			FOR DYNAMICALLY
			MANAGING DATA
			CENTRIC SEARCHES
			David Brian Jackson
IN2247/CHENP/2011	IN	10/03/2008	SYSTEM AND METHOD
			FOR DYNAMICALLY
			MANAGING DATA
			CENTRIC SEARCHES
			David Brian Jackson
8850434	US	09/14/2012	System and method of
			constraining auto live
			migration of virtual machines
			using group tags
			Joshua Marshall Butikofer
9075657	US	04/07/2006	On-Demand Access to
			Compute Resources
			David B. Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
8782120	US	05/02/2011	Elastic Management of
West of the second seco			Compute Resources Between a
rice and the second			Web Server and an On-
		ar	Demand Compute
	****	*****	Environment
			David Brian Jackson
14/791873	US	07/06/2015	On-Demand Access to
			Compute Resources
0176705	Tr ner	02000000	David Brian Jackson
9176785	US	03/11/2005	System and method for
			providing multi-resource
			management support in a
			compute environment
			David Brian Jackson
9268607	US	03/11/2005	System and method of
			providing a self-optimizing
			reservation in space of
			compute resources
			David Brian Jackson
10/530580	US	03/11/2005	System and Method Providing
			Object Messages in a Compute
:			Environment
			David B. Jackson
8413155	US	03/11/2005	System and method for a self-
			optimizing reservation in time
			of compute resources
		***************************************	David B. Jackson
7971204	US	03/11/2005	System and method of co-
ence of the second of the	L SU	ALL EXIZING	allocating a reservation
		*	spanning different compute
			resources types
			David Brian Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
7620706	US	03/11/2005	System and method for providing advanced reservations in a compute covironment
			David Brian Jackson
7490325	US	03/11/2005	System and method for providing intelligent pre-
			staging of data in a compute environment
	***************************************		David B. Jackson
7890629	US	06/17/2005	System and method of providing reservation masks within a compute environment
8321871	US	96/17/2005	David Brian Jackson System and method of using transaction IDS for managing reservations of compute resources within a compute environment
			David Brian Jackson
8037475	US	06/17/2005	System and method for providing dynamic provisioning within a compute environment
8370898	US	06/17/2005	David Brian Jackson System and method for
		VW 1772000	providing threshold-based access to compute resources
8176490	US	08/19/2005	David Brian Jackson
W. P. W. J. V.	7.7	VG/ 1.7/ 2003	System and method of interfacing a workload manager and scheduler with an identity manager David B. Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
7996455	US	08/19/2005	System and method for
			providing dynamic roll-back
			reservations in time
			Davić B. Jackson
8782654	US	12/26/2006	CO-ALLOCATING A
	*******		RESERVATION SPANNING
			DIFFERENT COMPUTE
			RESOURCES TYPES
			David B. Jackson
EP07709939.8	EP	01/04/2007	CO-ALLOCATING A
			RESERVATION SPANNING
			DIFFERENT COMPUTE
			RESOURCES TYPES
			David Brian Jackson
JP5231448	JP	01/04/2007	CO-ALLOCATING A
			RESERVATION SPANNING
			DIFFERENT COMPUTE
	* in it is a second of the sec		RESOURCES TYPES
			David Brian Jackson
7725583	US	05/22/2007	System and method for
			providing advanced
			reservations in a compute
			environment
			David B.Jackson
8763000	US	12/29/2008	SYSTEM AND METHOD
			FOR PROVIDING
All the state of t	***************************************		INTELLIGENT PRE-
			STAGING OF DATA IN A
			COMPUTE ENVIRONMENT
			David B. Jackson

B150972 US 02/10/2011 SYSTEM AND METHOD OF PROVIDING RESERVATION MASKS WITHIN A COMPUTE ENVIRONMENT David B. Jackson B418186 US 06/27/2011 SYSTEM AND METHOD OF CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES David B. Jackson System and method for providing dynamic roll-back David Brian Jackson David Brian Jackson SYSTEM AND METHOD FOR PROVIDING DYNAMIC PROVISIONING WITHIN A COMPUTE ENVIRONMENT David B. Jackson SYSTEM AND METHOD FOR PROVIDING DYNAMIC PROVISIONING WITHIN A COMPUTE ENVIRONMENT David B. Jackson SS06492 US 05/08/2012 System and method of interfacing a workload manager and schechler with an identity manager	Patent or Application No.	Country	Filing Date	<u>Tiffe of Patent and First</u> Named Inventor
ADVANCED RESERVATIONS IN A COMPUTE ENVIRONMENT David B. Jackson SYSTEM AND METHOD OF PROVIDING RESERVATION MASKS WITHIN A COMPUTE ENVIRONMENT David B. Jackson SYSTEM AND METHOD OF CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES David B. Jackson SYSTEM AND METHOD OF CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES David B. Jackson System and method for providing dynamic roll-back David Brian Jackson SYSTEM AND METHOD FOR PROVIDING DYNAMIC PROVISIONING WITHIN A COMPUTE ENVIRONMENT David B. Jackson SYSTEM AND METHOD FOR PROVISIONING WITHIN A COMPUTE ENVIRONMENT David B. Jackson System and method of interfacing a workload manager and scheduler with an identity manager	9128767	US	10/06/2009	SYSTEM AND METHOD
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8572253 US 08/08/2011 System and method for providing dynamic roll-back David Brian Jackson 9069611 US 10/10/2011 SYSTEM AND METHOD FOR PROVIDING DYNAMIC PROVISIONING WITHIN A COMPUTE ENVIRONMENT David B. Jackson 8806492 US 05/08/2012 System and method of interfacing a workload manager and scheduler with an identity manager				
8572253 US 08/08/2011 System and method for providing dynamic roll-back David Brian Jackson 9069611 US 10/10/2011 SYSTEM AND METHOD FOR PROVIDING DYNAMIC PROVISIONING WITHIN A COMPUTE ENVIRONMENT David B. Jackson 8806492 US 05/08/2012 System and method of interfacing a workload manager and scheduler with an identity manager				David R. Tackoon
9069611 US 10/10/2011 SYSTEM AND METHOD FOR PROVIDING DYNAMIC PROVISIONING WITHIN A COMPUTE ENVIRONMENT David B. Jackson David B. Jackson System and method of interfacing a workload manager and scheduler with an identity manager	8572253	US	08/08/2011	The state of the s
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WITHIN A COMPUTE ENVIRONMENT David B. Jackson US 05/08/2012 System and method of interfacing a workload manager and scheduler with an identity manager		,		FOR PROVIDING
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B806492 US 05/08/2012 System and method of interfacing a workload manager and scheduler with an identity manager				WITHIN A COMPUTE
8806492 US 05/08/2012 System and method of interfacing a workload manager and scheduler with an identity manager				ENVIRONMENT
8806492 US 05/08/2012 System and method of interfacing a workload manager and scheduler with an identity manager				David B. Jackson
interfacing a workload manager and scheduler with an identity manager	8806492	US	05/08/2012	System and method of
manager and scheduler with an identity manager				
identity manager				
Plants II Your				
A JEVIE 15. JECKSON				David B. Jackson

Patent or Application No.	Country	Filing Date	Title of Patent and First Named Inventor
8984524	US	11/27/2012	System and method of using transaction IDS for managing reservations of compute resources within a compute environment
			David Brian Jackson
9135066	US	02/04/2013	SYSTEM AND METHOD FOR PROVIDING THRESHOLD-BASED ACCESS TO COMPUTE RESOURCES David Brian Jackson
13/760600	US	02/06/2013	SYSTEM AND METHOD OF CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES David Brian Jackson
13/855241	US	04/02/2013	System and Method for a Self-Optimizing Reservation in Time of Compute Resources David B. Jackson
8943207	US	10/28/2013	System and method for providing dynamic roll-back reservations in time David Brian Jackson
14/106254	US	12/13/2013	SYSTEM AND METHOD OF PERFORMING A PRE- RESERVATION ANALYSIS TO YIELD AN IMPROVED FIT OF WORKLOAD WITH THE COMPUTE ENVIRONMENT David B. Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
RE45593	US	01/23/2014	System and method for
		V. X. W. V. W. V. T	providing object triggers
		***************************************	fanaming opjoer mikkerz
			David Brian Jackson
14/331718	US	07/15/2014	CO-ALLOCATING A
			RESERVATION SPANNING
			DIFFERENT COMPUTE
			RESOURCES TYPES
			was a second of the second of
2020028	* * * * * * * * * * * * * * * * * * * *	25.25 (25 de 100 25 2 2	David Brian Jackson
9038078	US	08/07/2014	System and Method of
			Interfacing a Workload
			Manager and Scheduler with
,	-		an Identity Manager
			David B. Jackson
14/709642	US	05/12/2015	System and Method For a
			Workload Management and
			Scheduling Module to Manage
			Access to a Compute
			Environment According to
			Local and Non-Local User
			Identity Information
			David B. Jackson
14/744746	US	06/19/2015	SYSTEM AND METHOD
		30/13/2010	FOR PROVIDING
			DYNAMIC PROVISIONING
			WITHIN A COMPUTE
			ENVIRONMENT
			CONTRACTOR STATE AND A STATE A
			David B. Jackson
14/751529	US	06/26/2015	SYSTEM AND METHOD
	•		FOR PROVIDING OBJECT
			TRIGGERS
			way and the second
	}		David Brian Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
14/842916	US	09/02/2015	SYSTEM AND METHOD
			FOR PROVIDING
			ADVANCED
			RESERVATIONS IN A
	della della della		COMPUTE ENVIRONMENT
			David Brian Jackson
14/850346	US	09/10/2015	SYSTEM AND METHOD
	· ·		FOR PROVIDING
			THRESHOLD-BASED
			ACCESS TO COMPUTE
			RESOURCES
			David Brian Jackson
15/049542	US	02/22/2016	SYSTEM AND METHOD OF
			PROVIDING A SELF-
			OPTIMIZING
			RESERVATION IN SPACE
			OF COMPUTE RESOURCES
	*******************************		David Brian Jackson
7774471	US	06/14/2007	Optimized multi-component
			co-allocation scheduling with
· ·			advanced reservations for data
			transfers and distributed jobs
			David B. Jackson
IN6890/CHENP/2008	IN	06/15/2007	OPTIMIZED MULTI-
			COMPONENT CO-
			ALLOCATION
-			SCHEDULING WITH
			ADVANCED
***************************************			RESERVATIONS FOR
			DATA TRANSFERS AND
			DISTRIBUTED JOBS
			David Brian Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
8200824	US	07/23/2010	Optimized Multi-Component
		200 to 100 to 10	Co-Allocation Scheduling
Andrew Comments of the Comment			With Advanced Reservations
			for Data Transfers and
			Distributed Jobs
			David B. Jackson
8782246	US	06/11/2012	Optimized multi-component
			co-allocation scheduling with
			advanced reservations for data
			transfers and distributed jobs
			David Brian Jackson
9417926	US	07/15/2014	OPTIMIZED MULTI-
			COMPONENT CO-
			ALLOCATION
			SCHEDULING WITH
			ADVANCED
	-	***	RESERVATIONS FOR
			DATA TRANSFERS AND
			DISTRIBUTED JOBS
			David Brian Jackson
8930536	US	03/16/2006	Virtual Private Cluster
* * *			
		***************************************	David B. Jackson
9413687	US	03/16/2006	Automatic workload transfer
			to an on-demand center
			David B. Jackson
8782231	US	03/16/2006	Simple integration of on-
			demand compute environment
			David B. Jackson
8631130	US	03/16/2006	Reserving Resources in an On-
		*******	Demand Compute
		***	Environment from a local
		***************************************	compute environment
·	ž.	******	4 2 4
	1		David B. Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
7698430	US	03/16/2006	On-demand compute
			environment
			David B. Jackson
8863143	US	01/31/2008	SYSTEM AND METHOD
			FOR MANAGING A
			HYBRID COMPUTE
			ENVIRONMENT
			David B. Jackson
8370495	US	04/01/2010	On-Demand Compute
			Environment
		***************************************	David B. Jackson
9015324	US	03/13/2012	SYSTEM AND METHOD OF
200000		05/15/2012	BROKERING CLOUD
		***************************************	COMPUTING RESOURCES
			David Brian Jackson
9112813	US	02/04/2013	ON-DEMAND COMPUTE
	***************************************	***************************************	ENVIRONMENT
			David Brian Jackson
14/154912	US	01/14/2014	RESERVING RESOURCES
			IN AN ON-DEMAND
			COMPUTE ENVIRONMENT
		er de che	David B. Jackson
14/331772	US	07/15/2014	SIMPLE INTEGRATION OF
			ON-DEMAND COMPUTE
			ENVIRONMENT
			David Brian Jackson
9116755	US	10/14/2014	SYSTEM AND METHOD
		a man a management	FOR MANAGING A
			HYBRID COMPUTE
			ENVIRONMENT
			David Brian Jackson
		t .	> APROVING EXPERIMENTAL STATES

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
14/590102	US	01/06/2015	System and Method Providing
		****	A Virtual Private Cluster
			David Brian Jackson
14/691120	US	04/20/2015	SYSTEM AND METHOD OF
			BROKERING CLOUD
1			COMPUTING RESOURCES
			David B. Jackson
9225663	US	05/05/2015	SYSTEM AND METHOD
	· · · · · · · · · · · · · · · · · · ·		PROVIDING A VIRTUAL
			PRIVATE CLUSTER
			David Brian Jackson
9231886	US	05/05/2015	SIMPLE INTEGRATION OF
	· !		AN ON-DEMAND
		•	COMPUTE ENVIRONMENT
			David Brian Jackson
14/827927	US	08/17/2015	On-Demand Compute
			Environment
			David Brian Jackson
14/833673	US	08/24/2015	SYSTEM AND METHOD
			FOR MANAGING A
			HYBRID COMPUTE
			ENVIRONMENT
			David Brian Jackson
14/987059	US	01/04/2016	SIMPLE INTEGRATION OF
ರ್ಯಕ್ಷಣ್ಣ ಕೃತ್ಯಕ್ಷ ಯಾವುದ್ಯ		ware namedy	AN ON-DEMAND
			COMPUTE ENVIRONMENT
			CANDAR COURSE RICH & ERCOLAIGESTATE
2453 204	1 1 100	(App 24) 200 X X X X	David Brian Jackson
8271807	US	07/24/2008	SYSTEM AND METHOD
			FOR MANAGING ENERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
			David B. Jackson

202	o r No	William William	Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
ZA2010/07775	ZA	07/24/2008	SYSTEM AND METHOD
			FOR MANAGING ENERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
			David Brian Jackson
IN7379/CHENP/2010	IN	07/24/2008	SYSTEM AND METHOD
			FOR MANAGING ENERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
			David Brian Jackson
JP5529114	JP	07/24/2008	SYSTEM AND METHOD
			FOR MANAGING ENERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
			A SHOULD SELECT AND SE
			David Brian Jackson
8245059	US	08/12/2010	SYSTEM AND METHOD
		0 00, 0 000 00,	FOR MANAGING ENERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
	· Alexandrian		Section to a section of the section
			David B. Jackson
8271813	US	08/12/2010	SYSTEM AND METHOD
	سنسند		FOR MANAGING ENERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
		and the second s	
State of the state of the			David B. Jackson
8276008	US	08/12/2010	SYSTEM AND METHOD
		***************************************	FOR MANAGING ENERGY
		***************************************	CONSUMPTION IN A
		***************************************	COMPUTE ENVIRONMENT
			David B. Jackson
9026807	US	08/12/2010	SYSTEM AND METHOD
			FOR MANAGING ENERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
			David B. Jackson
<u>nnannannannan anannannan an vall</u>	1		Layid D. Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
8549333	US	09/18/2012	SYSTEM AND METHOD
			FOR MANAGING ENERGY
·	***		CONSUMPTION IN A
			COMPUTE ENVIRONMENT
	:		David Brian Jackson
9405348	US	11/15/2013	SYSTEM AND METHOD
		:	FOR MANAGING FNERGY
			CONSUMPTION IN A
			COMPUTE ENVIRONMENT
			David Brian Jackson
9411393	US	05/04/2015	System and Method for
			Managing Energy
			Consumption in a Compute
			Environment
			David Brian Jackson
8108869	US	03/11/2005	System and Method For
			Enforcing Future Policies in a
			Compute Environment
			David Brian Jackson
8464266	US	01/31/2012	System and Method for
			Enforcing Future Policies in a
			Compute Environment
			David Brian Jackson
9298514	US	06/11/2013	System and Method for
			Enforcing Future Policies in a
	-		Compute Environment
			David Brian Jackson
8271980	US	11/08/2005	System and Method of
		1	Providing System Jobs Within
	The second secon	· CONTRACTOR CONTRACTO	a Compute Environment
		George	David B. Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
9152455	US	09/18/2012	SYSTEM AND METHOD OF
·	****		PROVIDING SYSTEM JOBS
			WITHIN A COMPUTE
			ENVIRONMENT
			David B. Jackson
14/872645	US	10/01/2015	System and Method of
			Providing System Jobs Within
			a Compute Environment
			David B. Jackson
8504548	US	10/03/2008	SYSTEM AND METHOD
			FOR DYNAMICALLY
		***	MANAGING DATA
			CENTRIC SEARCHES
	*******************************		David B. Jackson
8949213	US	08/05/2013	System and method for
			dynamically managing data
			centric searches
			David Brian Jackson
7870552	US	02/09/2006	System and method of
***************************************			providing a fixed time offset
			based dedicated co-allocation
			of a common resource set
			David B, Jackson
8341634	US	01/10/2011	SYSTEM AND METHOD OF
			PROVIDING A FIXED TIME
			OFFSET BASED
			DEDICATED CO-
			ALLOCATION OF A
			COMMON RESOURCE SET
			David Brian Jackson
8739173	US	12/21/2012	System and method of
			providing a fixed time offset
			based dedicated co-allocation
			of a common resource set
			David B. Jackson

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
9239736	US	03/28/2014	SYSTEM AND METHOD OF
		· ·	PROVIDING A FIXED TIME
			OFFSET BASED
			DEDICATED CO-
			ALLOCATION OF A
			COMMON RESOURCE SET
			David Brian Jackson
EP06769779.7	EP	03/16/2006	AUTOMATIC WORKLOAD
		***************************************	TRANSFER TO AN ON-
			DEMAND CENTER
			David Brian Jackson
EP11162212.2	EP	03/16/2006	AUTOMATIC WORKLOAD
			TRANSFER TO AN ON-
			DEMAND CENTER
	· · · · · · · · · · · · · · · · · · ·		David Brian Jackson
EP11162213.0	EP	03/16/2006	AUTOMATIC WORKLOAD
			TRANSFER TO AN ON-
			DEMAND CENTER
			David Brian Jackson
EP11162215.5	EP	03/16/2006	AUTOMATIC WORKLOAD
		***	TRANSFER TO AN ON-
71.2.			DEMAND CENTER
			David Brian Jackson
EP11162216.3	EP	03/16/2006	AUTOMATIC WORKLOAD
orienta de la constanta de la			TRANSFER TO AN ON-
		:	DEMAND CENTER
			David Brian Jackson
EP11162217.1	EP	03/16/2006	AUTOMATIC WORKLOAD
			TRANSFER TO AN ON-
			DEMAND CENTER
			David Brian Jackson
EP06749901.2	EP	04/07/2006	ON-DEMAND ACCESS TO
			COMPUTE RESOURCES
		An ann ann ann an a s	David Brian Jackson

	Patent or Application No.	Country	Filing Date	Named Inventor
***************************************	EP08728692.8	EP	01/31/2008	SYSTEM AND METHOD FOR MANAGING A
			THE PROPERTY OF THE PROPERTY O	HYBRID COMPUTE
				ENVIRONMENT
				David Brian Jackson

- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);
- (d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents above and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (c) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);
- (g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (1) damages,
- (2) injunctive relief, and
- (3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories.(b) through (h),

Assignor represents, warrants and covenants that:

- (1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations bereunder, including the assignment of the Patent Rights to Assignee; and
- (2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as accessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at 4:15 pm on Hovenbur, 22,2016

ASSIGNOR:

Adaptive Computing Enterprises, Inc.

Hy:

Name: Marty Smein

Title: CEO

(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of MARTY SAMON to the above Assignment of Patent Rights on behalf of Adaptive Computing Enterprises, Inc. and makes the following statements:

- I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
- Marky Smula is personally known to me (or proved to me on 2. the basis of satisfactory evidence) and appeared before me on Nov. 22 2016 to execute the above Assignment of Patent Rights on behalf of Adaptive Computing Enterprises, Inc.
- Machianaia subscribed to the above Assignment of Patent Rights on behalf of Adaptive Computing Enterprises, Inc.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on November 22, 2016(date)

Janna Lynn Penrose Notary Public State of Utan Comm. No. 680991 My Comm. Expires Feb 16, 2019

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