# PATENT ASSIGNMENT COVER SHEET

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| 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., SUITE 400 |
| **City:** | WILMINGTON |
| **State/Country:** | DELAWARE |
| **Postal Code:** | 19808 |

**PROPERTY NUMBERS Total: 2**

| Property Type | Number |
|---|---|
| Application Number: | 60552653 |
| Patent Number: | 8151103 |

**CORRESPONDENCE DATA**

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| **Fax Number:** | (202)672-5399 |

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| ATTORNEY DOCKET NUMBER: | 104985-0574 & 104985-0603 |
|---|---|
| **NAME OF SUBMITTER:** | PAUL S. HUNTER |
| **SIGNATURE:** | /Paul S. Hunter/ |
| **DATE SIGNED:** | 03/01/2019 |

**Total Attachments: 14**
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*Exhibit C*

## ASSIGNMENT OF RIGHTS IN CERTAIN ASSETS

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, the right, title, and interest in and to any and all of the following provisional patent applications, patent applications, patents, and other governmental grants or issuances of any kind (the *"Certain Assets"*):

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| AU2008349549 | AU | 01/31/2008 | SYSTEM AND METHOD FOR MANAGING A HYBRID COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| BRPI0822147-2 | BR | 01/31/2008 | SYSTEM AND METHOD FOR MANAGING A HYBRID COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CA2713994 | CA | 01/31/2008 | SYSTEM AND METHOD FOR MANAGING A HYBRID COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CN200880128080.1 | CN | 01/31/2008 | System and method for managing a hybrid compute environment<br><br>David Brian Jackson |
| KR10-2010-7019071 | KR | 01/31/2008 | SYSTEM AND METHOD FOR MANAGING A HYBRID COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2008/052627 | WO | 01/31/2008 | SYSTEM AND METHOD FOR MANAGING A HYBRID COMPUTE ENVIRONMENT<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| SG201005419-5 | SG | 07/27/2010 | SYSTEM AND METHOD FOR MANAGING A HYBRID COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| IL207306 | IL | 07/29/2010 | System and method for calculating the integrated enviromental management<br><br>David Brian Jackson |
| ZA2010/06154 | ZA | 08/27/2010 | SYSTEM AND METHOD FOR MANAGING A HYBRID COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CN200880131906.X | CN | 10/03/2008 | System and method for dynamically managing data centric searches<br><br>David Brian Jackson |
| EP08824514.7 | EP | 10/03/2008 | SYSTEM AND METHOD FOR DYNAMICALLY MANAGING DATA CENTRIC SEARCHES<br><br>David Brian Jackson |
| JP2011-530032 | JP | 10/03/2008 | SYSTEM AND METHOD FOR DYNAMICALLY MANAGING DATA CENTRIC SEARCHES<br><br>David Brian Jackson |
| PCT/US2008/078745 | WO | 10/03/2008 | SYSTEM AND METHOD FOR DYNAMICALLY MANAGING DATA CENTRIC SEARCHES<br><br>David Brian Jackson |
| 61/771192 | US | 03/01/2013 | System and Method for Managing Storage Input/Output for a Compute Environment<br><br>Lee Carter |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| 13/949916 | US | 07/24/2013 | SYSTEM AND METHOD FOR MANAGING STORAGE INPUT/OUTPUT FOR A COMPUTE ENVIRONMENT<br><br>Mason Lee Carter |
| 60/669278 | US | 04/07/2005 | System and method of providing on-demand access to compute resources<br><br>David Brian Jackson |
| CA2603577 | CA | 04/07/2006 | ON-DEMAND ACCESS TO COMPUTE RESOURCES<br><br>David Brian Jackson |
| IN5010/CHENP/2007 | IN | 04/07/2006 | ON-DEMAND ACCESS TO COMPUTE RESOURCES<br><br>David Brian Jackson |
| HK08103238.8 | HK | 04/07/2006 | On-Demand Access to Compute Resources<br><br>David Brian Jackson |
| PCT/US2006/013677 | WO | 04/07/2006 | ON-DEMAND ACCESS TO COMPUTE RESOURCES<br><br>David Brian Jackson |
| 13/099116 | US | 05/02/2011 | ELASTIC MANAGEMENT OF COMPUTE RESOURCES BETWEEN A WEB SERVER AND AN ON-DEMAND COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| 13/949845 | US | 07/24/2013 | SYSTEM AND METHOD OF MANAGING JOB PREEMPTION<br><br>Robert A. Clyde |
| 60/552653 | US | 03/13/2004 | System and method of managing and monitoring cluster resources<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| 60/581257 | US | 06/18/2004 | System and method of managing and monitoring cluster and grid resources<br><br>David Brian Jackson |
| 60/586120 | US | 07/07/2004 | Unable to verify<br><br>Unable to verify |
| 60/603296 | US | 08/20/2004 | System and method of managing and monitoring cluster and grid resources<br><br>David Brian Jackson |
| EP05725455.9 | EP | 03/11/2005 | System and Method for Providing Object Triggers<br><br>David Brian Jackson |
| EP05725457.5 | EP | 03/11/2005 | System and Method for a Self-Optimizing Reservation in Time of Compute Resources<br><br>David Brian Jackson |
| EP05730003.0 | EP | 03/11/2005 | System and Method for Providing Advanced Reservations in a Compute Environment.<br><br>David Brian Jackson |
| EP05730024.6 | EP | 03/11/2005 | System and Method of Co-allocating a Reservation Spanning Different Compute Resource Types<br><br>David Brian Jackson |
| EP05730296.0 | EP | 03/11/2005 | System and Method of Providing a Self-Optimizing Reservation in Space of Compute Resources<br><br>David Brian Jackson |
| EP11159933.8 | EP | 03/11/2005 | System and Method for a Self-Optimizing Reservation in Time of Compute Resources<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| EP11159934.6 | EP | 03/11/2005 | System and Method of Providing a Self-Optimizing Reservation in Space of Compute Resources<br><br>David Brian Jackson |
| EP11159935.3 | EP | 03/11/2005 | System and Method of Co-allocating a Reservation Spanning Different Compute Resource Types<br><br>David Brian Jackson |
| EP11159936.1 | EP | 03/11/2005 | System and Method for Providing Advanced Reservations in a Compute Environment.<br><br>David Brian Jackson |
| CA2558892 | CA | 03/11/2005 | SYSTEM AND METHOD FOR A SELF-OPTIMIZING RESERVATION IN TIME OF COMPUTE RESOURCES<br><br>David Brian Jackson |
| CA2559584 | CA | 03/11/2005 | SYSTEM AND METHOD OF PROVIDING A SELF-OPTIMIZING RESERVATION IN SPACE OF COMPUTE RESOURCES<br><br>David Brian Jackson |
| CA2559588 | CA | 03/11/2005 | SYSTEM AND METHOD FOR PROVIDING OBJECT TRIGGERS<br><br>David Brian Jackson |
| CA2559593 | CA | 03/11/2005 | System and Method of Co-allocating a Reservation Spanning Different Compute Resource Types<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| CA2559603 | CA | 03/11/2005 | SYSTEM AND METHOD FOR PROVIDING ADVANCED RESERVATIONS IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CA2831359 | CA | 03/11/2005 | SYSTEM AND METHOD OF CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES<br><br>David Brian Jackson |
| 8151103 | US | 03/11/2005 | System and method for providing object triggers<br><br>David Brian Jackson |
| IN3316/CHENP/2006 | IN | 03/11/2005 | System and Method for Providing Advanced Reservations in a Compute Environment.<br><br>David Brian Jackson |
| PCT/US2005/008278 | WO | 03/11/2005 | SYSTEM AND METHOD PROVIDING OBJECT MESSAGES IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2005/008282 | WO | 03/11/2005 | SYSTEM AND METHOD FOR PROVIDING INTELLIGENT PRE-STAGING OF DATA IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2005/008288 | WO | 03/11/2005 | SYSTEM AND METHOD OF PROVIDING A SELF-OPTIMIZING RESERVATION IN SPACE OF COMPUTE RESOURCES<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| PCT/US2005/008289 | WO | 03/11/2005 | SYSTEM AND METHOD FOR PROVIDING MULTI-RESOURCE MANAGEMENT SUPPORT IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2005/008291 | WO | 03/11/2005 | SYSTEM AND METHOD FOR PROVIDING OBJECT TRIGGERS<br><br>David Brian Jackson |
| PCT/US2005/008296 | WO | 03/11/2005 | SYSTEM AND METHOD FOR A SELF-OPTIMIZING RESERVATION IN TIME OF COMPUTE RESOURCES<br><br>David Brian Jackson |
| PCT/US2005/008297 | WO | 03/11/2005 | SYSTEM AND METHOD OF CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES<br><br>David Brian Jackson |
| PCT/US2005/008298 | WO | 03/11/2005 | SYSTEM AND METHOD FOR PROVIDING ADVANCED RESERVATIONS IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2005/021427 | WO | 06/17/2005 | SYSTEM AND METHOD OF PROVIDING RESERVATION MASKS WITHIN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| IN4648/CHENP/2006 | IN | 06/17/2005 | SYSTEM AND METHOD OF PROVIDING RESERVATION MASKS WITHIN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CA2570476 | CA | 06/17/2005 | SYSTEM AND METHOD OF PROVIDING RESERVATION MASKS WITHIN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| EP05761723.5 | EP | 06/17/2005 | System and Method of Providing Reservation Masks Within a Compute Environment.<br><br>David Brian Jackson |
| 10/597898 | US | 08/11/2006 | SYSTEM AND METHOD FOR PROVIDING ADVANCED RESERVATIONS IN A COMPUTE ENVIRONMENT<br><br>David B. Jackson |
| CA2673716 | CA | 01/04/2007 | CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES<br><br>David Brian Jackson |
| IN3680/CHENP/2009 | IN | 01/04/2007 | CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES<br><br>David Brian Jackson |
| PCT/US2007/060079 | WO | 01/04/2007 | CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| HK07106815.3 | HK | 06/26/2007 | System and Method of Co-allocating a Reservation Spanning Different Compute Resource Types<br><br>David Brian Jackson |
| HK10101828.4 | HK | 02/22/2010 | CO-ALLOCATING A RESERVATION SPANNING DIFFERENT COMPUTE RESOURCES TYPES<br><br>David Brian Jackson |
| 60/804842 | US | 06/15/2006 | OPTIMIZED MULTI-COMPONENT CO-ALLOCATION SCHEDULING WITH ADVANCED RESERVATIONS FOR DATA TRANSFERS AND DISTRIBUTED JOBS<br><br>David Jackson |
| CA2657878 | CA | 06/15/2007 | OPTIMIZED MULTI-COMPONENT CO-ALLOCATION SCHEDULING WITH ADVANCED RESERVATIONS FOR DATA TRANSFERS AND DISTRIBUTED JOBS<br><br>David Brian Jackson |
| EP07840251.8 | EP | 06/15/2007 | OPTIMIZED MULTI-COMPONENT CO-ALLOCATION SCHEDULING WITH ADVANCED RESERVATIONS FOR DATA TRANSFERS AND DISTRIBUTED JOBS<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| PCT/US2007/071333 | WO | 06/15/2007 | OPTIMIZED MULTI-COMPONENT CO-ALLOCATION SCHEDULING WITH ADVANCED RESERVATIONS FOR DATA TRANSFERS AND DISTRIBUTED JOBS<br><br>David Brian Jackson |
| 60/662240 | US | 03/16/2005 | System and method of providing on-demand access to compute resources<br><br>David Brian Jackson |
| CA2601384 | CA | 03/16/2006 | AUTOMATIC WORKLOAD TRANSFER TO AN ON-DEMAND CENTER<br><br>David Brian Jackson |
| HK08106594.9 | HK | 03/16/2006 | AUTOMATIC WORKLOAD TRANSFER TO AN ON-DEMAND CENTER<br><br>David Brian Jackson |
| PCT/US2006/009108 | WO | 03/16/2006 | SIMPLE INTEGRATION OF AN ON-DEMAND COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2006/009109 | WO | 03/16/2006 | RESERVING RESOURCES IN AN ON-DEMAND COMPUTE ENVIRONMENT FROM A LOCAL COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2006/009110 | WO | 03/16/2006 | AUTOMATIC WORKLOAD TRANSFER TO AN ON-DEMAND CENTER<br><br>David Brian Jackson |
| PCT/US2006/009436 | WO | 03/16/2006 | ON-DEMAND COMPUTING ENVIRONMENT<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| 12/503424 | US | 07/15/2009 | SYSTEM AND METHOD OF BROKERING CLOUD COMPUTING RESOURCES<br><br>David B. Jackson |
| PCT/US2009/051241 | WO | 07/21/2009 | SYSTEM AND METHOD OF BROKERING CLOUD COMPUTING RESOURCES<br><br>David Brian Jackson |
| 61/046636 | US | 04/21/2008 | SYSTEM AND METHOD FOR CONSERVING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| BRPI0822590-7 | BR | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| AU2008355092 | AU | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CN200880128729.X | CN | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CA2719005 | CA | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| SG201007700-6 | SG | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2008/071029 | WO | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| KR10-2010-7025928 | KR | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| EP08782323.3 | EP | 07/24/2008 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| IL208927 | IL | 07/24/2008 | System and Method for Managing Energy Consumption in a Compute Environment<br><br>David Brian Jackson |
| 14/043245 | US | 10/01/2013 | SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| PCT/US2005/008299 | WO | 03/11/2005 | System and Method For Enforcing Future Policies in a Compute Environment<br><br>David Brian Jackson |
| 60/625894 | US | 11/08/2004 | System and method of managing and monitoring cluster resources<br><br>David Brian Jackson |

| Patent or Application No. | Country | Filing Date | Title of Patent and First Named Inventor |
|---|---|---|---|
| CA2827035 | CA | 11/08/2005 | SYSTEM AND METHOD OF PROVIDING SYSTEM JOBS WITHIN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| CA2586763 | CA | 11/08/2005 | SYSTEM AND METHOD OF PROVIDING SYSTEM JOBS WITHIN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| 7356770 | US | 11/08/2005 | System and method of graphically managing and monitoring a compute environment<br><br>David Brian Jackson |
| PCT/US2005/040669 | WO | 11/08/2005 | SYSTEM AND METHOD OF PROVIDING SYSTEM JOBS WITHIN A COMPUTE ENVIRONMENT<br><br>David Brian Jackson |
| 60/651269 | US | 02/09/2005 | System and method of providing a fixed time offset based dedicated co-allocation of a common resource set<br><br>David Brian Jackson |
| PCT/US2006/004622 | WO | 02/09/2006 | SYSTEM AND METHOD OF PROVIDING A FIXED TIME OFFSET BASED DEDICATED CO-ALLOCATION OF A COMMON RESOURCE SET<br><br>David Brian Jackson |

Assignor assigns to Assignee all rights to the inventions, invention disclosures, and discoveries in the assets listed above, together, with the rights, if any, to revive prosecution of claims under such assets and to sue or otherwise enforce any claims under such assets for past, present or future infringement.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to make available to Assignee all records regarding the Certain Assets.

The terms and conditions of this Assignment of Rights in Certain Assets 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.

DATED this 22 day of November 2016.

ASSIGNOR:

Adaptive Computing Enterprises, Inc.

By: _____

Name: Marty Smuin

Title: CEO