502676670 02/11/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2723277

SUBMISSION TYPE: NATURE OF CONVEYANCE: ASSIGNMENT CONVEYING PARTY DATA Name Execution Date ARDENT RESEARCH CORPORATION Name: EMPIRE TECHNOLOGY DEVELOPMENT LLC Street Address: 2711 CENTERVILLE ROAD Internal Address: SUITE 400 City: WILMINGTON State/Country: DELAWARE Postal Code: 19808 PROPERTY NUMBERS Total: 1 Property Type Application Number: 14238470 CORRESPONDENCE DATA Fax Number: (352)378-9939 Phone: 352-505-9200 Email: IP-Paralegal@turkiplaw.com Correspondence will be sent via US Mid when the email attempt is unsuccessful. Correspondence will be sent via US Mid when the email attempt is unsuccessful. Correspondent Name: TURK IP LAW, LLC Address Line 1: 2886 SANFORD AVE. S.W. #23998 Address Line 4: GRANDVILLE, MICHIGAN 49418								
CONVEYING PARTY DATA Name	SUBMISSION TYPE:		NEW ASSIGNMENT					
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Name: EMPIRE TECHNOLOGY DEVELOPMENT LLC								
Street Address: 2711 CENTERVILLE ROAD Internal Address: SUITE 400 City: WILMINGTON State/Country: DELAWARE Postal Code: 19808 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 14238470 CORRESPONDENCE DATA Fax Number: (352)378-9939 Phone: 352-505-9200 Email: IP-Paralegal @turkiplaw.com Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: TURK IP LAW, LLC Address Line 1: 2885 SANFORD AVE. S.W. #23998	RECEIVING PARTY DATA							
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Address Line 4: GRANDVILLE, MICHIGAN 49418	Address Line 1: 2885 SANFORD AVE. S.W. #23998							
	Address Line 4: GRANDVILLE, MICHIGAN 49418							
ATTORNEY DOCKET NUMBER: 2817.0182USWO	ATTORNEY DOCKET NUMBER:			2817.0182USWO				
NAME OF SUBMITTER: CARL K TURK	NAME OF SUBMITTER:			CARL K TURK				
Signature: /Carl K Turk/	Signature:			/Carl K Turk/				
Π	Date:			02/11/2014				

PATENT REEL: 032199 FRAME: 0006

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Total Attachments: 3

ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Ezekiel Kruglick, on behalf of Ardent Research Corporation, a corporation of the state of California, having a principal place of business at 13842 Deergrass Ct., Poway, CA 92064-2276 U.S. ("Assignor"), effective as of January 10, 2013, hereby sells, assigns, transfers, and conveys unto

- (A) Empire Technology Development LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 ("U.S. Assignee"), all rights, title, and interests that exist today and may exist in the future in and to any and all of the following items (1) through (8) below:
- the inventions disclosed in the solution report/invention disclosure titled "Reactive loop sensing and response in cloud federations" and all inventions claimed and/or described in the Application (collectively, the "Invention");
- 2. the patent applications listed in the table below (the "Application");

Patent Application No.	Country	Filing Date	Title
PCT/US13/38894	WO	04/30/2013	REACTIVE LOOP SENSING IN MULTI- DATACENTER DEPLOYMENTS
14238470	US	02/11/2014	REACTIVE LOOP SENSING IN MULTI-
		A STATE OF THE STA	DATACENTER DEPLOYMENTS

- 3. all rights with respect to the Invention, including all United States patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application ("Potential Patents");
- 4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
- 5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("Foreign Rights"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
- 6. all rights to claim priority rights deriving from the Application;

- 7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
- 8. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.

As used in this Assignment, "Assignee" means, collectively, the U.S. Assignee and the Non-U.S. Assignee. Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests 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 Rights in the name of the Assignee, as the assignee to the entire interest therein.

Assignor hereby authorizes and requests authorized representative to insert on this Assignment the filing date and Patent Application Numbers in the table above when known.

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

[Signature Page(s) to Follow]

By: Ezekiel Kruglick, on behalf of Ardent Research Corporation, 13842 Deergrass Ct., Poway, CA 92064-2276 U.S. NOTARIZATION COUNTY OF SAN DIESO) ss. On <u>April ママ</u> 20<u>13</u>, before me, <u>上、別への</u> Notary Public, personally appeared Ezekiel Kruglick, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of <u>C4/2fow2a</u> that the foregoing paragraph is true and correct. WITNESS my hand and official seal. L. BOARD

L. BOARD
Comm. #2015420
Notary Public - California 7
San Diego County
Comm. Expires Apr 1, 2017