

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
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	Property Type	Number
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DATE SIGNED:	06/29/2016	
Total Attachments: 12		
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Exhibit A

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Concurix Corporation, a Delaware corporation having a primary place of business at 611 Market Street, Kirkland, Suite #6, WA 98033 ("Assignor"), does hereby sell, assign, transfer and convey unto Microsoft Technology Licensing, LLC, having a primary place of business at One Microsoft Way, Redmond, WA 98052 ("Assignee") or its designees, all of Assignor's entire right, title and interest in and to (a) all patents and patent applications listed below; (b) all reissues, reexaminations, continuations, parents, continuations-in-part, divisionals and extensions (collectively "**Related Cases**") of such patents and patent applications; (c) patents or patent applications (i) to which any or all of the foregoing directly or indirectly claims priority, or (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority; and (d) all Related Cases (whether pending, issued, abandoned or filed in the future) and foreign counterparts to any or all of the foregoing, including without limitation utility models design patents, certificates of invention and equivalent rights worldwide (collectively "**Patent Rights**");

Publication Number	Patent Number	Application Number	Filing Date	Title	Type	Status
20120227040	8,615,766	13/461,733	5/3/12	Hybrid Operating System	Utility: Non-Provisional	Issued
WO 2013/185447		PCT/US12/41015	6/6/12	Hybrid Operating System	Utility: PCT	
20120233592	8,650,538	13/461,740	5/3/12	Meta Garbage Collection for Functional Code	Utility: Non-Provisional	Issued
WO 2013/185448		PCT/US12/41036	6/6/12	Meta Garbage Collection for Functional Code	Utility: PCT	
20140040591	8,995,070	14/048,016	10/8/13	Garbage Collection Based on Functional Block Size	Utility: Non-Provisional	Issued
20130117753		13/461,748	5/3/12	Many-core Process Scheduling to Maximize Cache Usage	Utility: Non-Provisional	Final OA
WO 2013/185451		PCT/US12/49964	7/9/12	Many-core Process Scheduling to Maximize Cache Usage	Utility: PCT	
20130117759	8,595,743	13/461,752	5/3/12	Network Aware Process Scheduling	Utility: Non-Provisional	Issued
WO 2013/185458		PCT/US12/56701	9/21/12	Network Aware Process Scheduling	Utility: PCT	
20140026142		14/033,230	9/20/13	Process Scheduling to Maximize Input Throughput	Utility: Non-Provisional	
20120223019	8,495,968	13/461,755	5/3/12	Control Flow Graph Operating System Configuration	Utility: Non-Provisional	Issued
WO 2013/185459		PCT/US12/56704	9/21/12	Control Flow Graph Operating System Configuration	Utility: PCT	
20130298112		13/921,625	6/19/13	Control Flow Graph Application Configuration	Utility: Non-Provisional	NOA
20130324454		13/463,844	5/4/12	Control Flow Graph Driven Operating	Utility: Non-Provisional	Final OA

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
WO 2013/185480		PCT/US13/56707	9/23/12	System Control Flow Graph Driven Operating System	Utility: PCT	
20120233603	8,726,255	13/461,757	5/1/12	Recompiling with Generic to Specific Replacement	Utility: Non- Provisional	issued
WO 2013/185461		PCT/US13/56711	9/23/12	Recompiling with Generic to Specific Replacement	Utility: PCT	
20120817971	9,047,196	13/526,729	6/19/12	Usage Aware NUMA Process Scheduling	Utility: Non- Provisional	issued
WO 2013/191720		PCT/US12/68040	11/1/12	Usage Aware NUMA Process Scheduling	Utility: PCT	
20120817989	8,700,858	13/526,929	6/19/12	Allocating Heaps in NUMA Systems	Utility: Non- Provisional	issued
WO 2013/191721		PCT/US13/66076	11/20/12	Allocating Heaps in NUMA Systems	Utility: PCT	
20120317587	8,707,326	13/551,318	7/27/12	Pattern Matching Process Scheduler in Message Passing Environment	Utility: Non- Provisional	issued
WO 2014/014486		PCT/US13/66091	11/20/12	PATTERN MATCHING PROCESS SCHEDULER IN MESSAGE PASSING ENVIRONMENT	Utility: PCT	
20120317557	8,793,669	13/551,529	7/17/12	Pattern Extraction from Executable Code in Message Passing Environments	Utility: Non- Provisional	issued
WO 2014/014487		PCT/US12/66298	11/20/12	PATTERN EXTRACTION FROM EXECUTABLE CODE IN MESSAGE PASSING ENVIRONMENTS	Utility: PCT	
US 2014/0229304 A1	8,966,460	14/248,258	6/9/14	Transmission Point Pattern Extraction from Executable Code in Message Passing Environments	Utility: Divisional	issued
20120817977		13/551,533	7/17/12	Pattern Matching Process Scheduler with Upstream Optimization	Utility: Non- Provisional	final OA
WO 2014/014532		PCT/US13/37330	4/19/13	PATTERN MATCHING PROCESS SCHEDULER WITH UPSTREAM OPTIMIZATION	Utility: PCT	
20130080760		13/571,540	8/10/12	Execution Environment with Feedback Loop	Utility: Non- Provisional	final OA
WO 2014/025417		PCT/US13/58968	4/17/13	EXECUTION ENVIRONMENT WITH FEEDBACK LOOP	Utility: PCT	
20130080761	9,043,788	13/571,568	8/10/12	Experiment Manager for Manycore Systems	Utility: Non- Provisional	issued

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
WO 2014/025419		PCT/US13/37341	4/19/13	EXPERIMENT MANAGER FOR MANYCORE SYSTEMS	Utility: PCT	
20130081005	8,966,463	13/571,589	8/20/12	Memory Management Parameters Derived from System Modeling	Utility: Non- Provisional	Issued
WO 2014/025421		PCT/US13/37323	4/22/13	MEMORY MANAGEMENT PARAMETERS DERIVED FROM SYSTEM MODELING	Utility: PCT	
20130074058	8,789,030	13/622,342	9/18/12	Memorization from Offline Analysis	Utility: Non- Provisional	Issued
WO 2014/046740		PCT/US13/39386	5/3/13	MEMORIZATION FROM OFFLINE ANALYSIS	Utility: PCT	
20130074049	8,752,054	13/671,813	11/8/12	Memorization Configuration File Consumed at Runtime	Utility: Non- Provisional	Issued
WO 2014/074158		PCT/US13/40383	5/9/13	MEMORIZATION CONFIGURATION FILE CONSUMED AT RUNTIME	Utility: PCT	
20130074055	8,656,378	13/671,816	11/8/12	Memorization Configuration File Consumed at Compile Time	Utility: Non- Provisional	Issued
WO 2014/074159		PCT/US13/40224	5/8/13	MEMORIZATION CONFIGURATION FILE CONSUMED AT COMPILE TIME	Utility: PCT	
20130067445	8,639,204	13/671,819	11/8/12	Determination of Function Purity for Memorization	Utility: Non- Provisional	Issued
WO 2014/074161		PCT/US13/40817	5/13/13	DETERMINATION OF FUNCTION PURITY FOR MEMORIZATION	Utility: PCT	
20130073837	8,753,021	13/671,822	11/8/12	Input Vector Analysis for Memorization Estimation	Utility: Non- Provisional	Issued
WO 2014/074163		PCT/US13/41090	5/14/13	INPUT VECTOR ANALYSIS FOR MEMORIZATION ESTIMATION	Utility: PCT	
20130074056	8,836,254	13/671,825	11/8/12	Memorizing with Read Only Side Effects	Utility: Non- Provisional	Issued
WO 2014/074164		PCT/US13/41128	5/15/13	MEMORIZING WITH READ ONLY SIDE EFFECTS	Utility: PCT	
20130074057		13/671,828	11/8/12	Selecting Functions for Memorization Analysis	Utility: Non- Provisional	Notice of Appeal Filed
WO 2014/074166		PCT/US13/41138	5/15/13	SELECTING FUNCTIONS FOR MEMORIZATION ANALYSIS	Utility: PCT	
20130073523		13/671,891	11/8/12	Purity Analysis Using	Utility: Non-	Final CA

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
				White List/Black List Analysis	Provisional	
WO 2014/074167		PCT/US13/41151	5/15/13	PURITY ANALYSIS USING WHITE LIST/BLACK LIST ANALYSIS	Utility: PCT	
20130073829	8,607,018	13/671,834	11/8/12	Memory Usage Configuration Based on Observations	Utility: Non-Provisional	issued
WO 2014/074168		PCT/US13/41165	5/15/13	MEMORY USAGE CONFIGURATION BASED ON OBSERVATIONS	Utility: PCT	
20130074002	8,656,134	13/671,836	11/8/12	Optimized Memory Configuration Deployed on Executing Code	Utility: Non-Provisional	issued
WO 2014/074169		PCT/US13/41178	5/15/13	OPTIMIZED MEMORY CONFIGURATION DEPLOYED ON EXECUTING CODE	Utility: PCT	
20130074093	8,656,135	13/671,841	11/8/12	Optimized Memory Configuration Deployed Prior to Execution	Utility: Non-Provisional	issued
WO 2014/074170		PCT/US13/41184	5/15/13	OPTIMIZED MEMORY CONFIGURATION DEPLOYED PRIOR TO EXECUTION	Utility: PCT	
20130073604	8,694,574	13/671,847	11/8/12	Optimized Settings in a Configuration Database with Boundaries	Utility: Non-Provisional	issued
WO 2014/074362		PCT/US13/41008	5/14/13	OPTIMIZED SETTINGS IN A CONFIGURATION DATABASE WITH BOUNDARIES	Utility: PCT	
20140019756	8,821,862	13/751,000	1/25/13	Obfuscating Trace Data	Utility: Non-Provisional	issued
WO 2014/116290		PCT/US13/42080	5/21/13	OBUSKATING TRACE DATA	Utility: PCT	
20140019985		13/751,006	1/25/13	Parallel Tracing for Performance and Detail	Utility: Non-Provisional	non-final GA
WO 2014/116291		PCT/US13/42081	5/21/13	PARALLEL TRACING FOR PERFORMANCE DETAIL	Utility: PCT	
20140019588	8,954,546	13/751,012	1/25/13	Tracing with a Workload Distributor	Utility: Non-Provisional	issued
WO 2014/116294		PCT/US13/42788	5/27/13	TRACING WITH A WORKLOAD DISTRIBUTOR	Utility: PCT	
20140025572		13/751,026	1/25/13	Tracing as a Service	Utility: Non-Provisional	abandoned
WO 2014/116295		PCT/US13/42789	5/27/13	TRACING AS A SERVICE	Utility: PCT	
20140019879		13/757,570	2/1/13	Dynamic Visualization of Message Passing	Utility: Non-Provisional	Response to non-final GA

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
		PCT/US13/43492	5/31/13	COMPUTATION DYNAMIC VISUALIZATION OF MESSAGE PASSING COMPLIATION	Utility: PCT	entered
20130232174		13/757,562	2/1/13	Highlighting of Time Series Data on Force Directed Graph	Utility: Non- Provisional	
		PCT/US13/43522	5/31/13	HIGHLIGHTING OF TIME AND SERIES DATA ON FORCE DIRECTED GRAPH	Utility: PCT	
20130232452		13/757,598	2/1/13	Force Directed Graph with Time Series Data	Utility: Non- Provisional	
		PCT/US13/43811	6/3/13	FORCE DIRECTED GRAPH WITH TIME SERIES DATA	Utility: PCT	
20130232483		13/757,625	2/1/13	Controlling Application Tracing using Dynamic Visualization	Utility: Non- Provisional	final OA
		PCT/US13/44183	6/5/13	CONTROLLING APPLICATION TRACING USING DYNAMIC VISUALIZATION	Utility: PCT	
20130225416		13/757,631	2/1/13	Transformation Function Insertion for Dynamically Displayed Tracer Data	Utility: Non- Provisional	
		PCT/US13/46050	6/16/13	TRANSFORMATION FUNCTION INSERTION FOR DYNAMICALLY DISPLAYED TRACER DATA	Utility: PCT	
20130285240	9,621,447	13/765,642	2/12/13	Application Tracing by Distributed Objectives	Utility: Non- Provisional	issued
WO 2014/126601		PCT/US13/46664	6/19/13	Application Tracing by Distributed Objectives	Utility: PCT	
20130283246	8,843,901	13/765,648	2/12/13	Cost Analysis for Selecting Trace Objectives	Utility: Non- Provisional	issued
WO 2014/126603		PCT/US13/46818	6/20/13	COST ANALYSIS FOR SELECTING TRACE OBJECTIVES	Utility: PCT	
20130283281		13/765,651	2/12/13	Deploying Trace Objectives using Cost Analyses	Utility: Non- Provisional	final OA
WO 2014/126603		PCT/US13/46822	6/20/13	DEPLOYING TRACE OBJECTIVES USING COST ANALYSES	Utility: PCT	
20130283241	8,997,863	13/765,654	2/12/13	Periodicity Optimization in an Automated Tracing System	Utility: Non- Provisional	issued
WO 2014/126604		PCT/US13/46825	6/21/13	PERIODICITY OPTIMIZATION IN AN AUTOMATED	Utility: PCT	

Publication/Item	Patent/Item	Application/Item	Filing/Date	Title	Type	Status
20130289147	8,924,941	13/766,667	2/13/13	TRACING SYSTEM Optimization Analysis Using Similar Frequencies	Utility: Non- Provisional	Issued
WO 2014/126605		PCT/US13/47211	6/13/13	OPTIMIZATION ANALYSIS USING SIMILAR FREQUENCIES	Utility: PCT	
20130289182		13/765,663	2/13/13	Deployment of Profile Models with a Monitoring Agent	Utility: Non- Provisional	abandoned / petition to revise filed
WO 2014/126609		PCT/US13/78894	12/13/13	Deployment of Profile Models with a Monitoring Agent	Utility: PCT	
20130227536		13/853,769	3/29/13	Increasing Performance at Runtime from Trace Data	Utility: Non- Provisional	Response to non- final OA entered
WO 2014/143247		PCT/US13/78935	12/13/13	INCREASING PERFORMANCE AT RUNTIME FROM TRACE DATA	Utility: PCT	
20130227529		13/853,791	3/29/13	Runtime Memory Settings Derived from Trace Data	Utility: Non- Provisional	final OA
20130219057		13/853,816	3/29/13	Relationships Derived from Trace Data	Utility: Non- Provisional	Response to non- final OA entered
20130282546		13/867,058	4/20/13	Marketplace for Monitoring Services	Utility: Non- Provisional	Response to non- final OA entered
WO 2014/171979		PCT/US13/74361	12/11/13	Marketplace for Monitoring Services	Utility: PCT	
201400137908		13/867,063	4/20/13	Application Development Environment with Services Marketplace	Utility: Non- Provisional	final OA
20140016906		13/867,063	4/20/13	Automated Market Maker in Monitoring Services Marketplace	Utility: Non- Provisional	
20140282597		13/866,014	4/18/13	Bottleneck Detector for Executing Applications	Utility: Non- Provisional	final OA
WO/2014/143279		PCT/US13/75876	12/17/13	BOYTLNECK DETECTOR FOR EXECUTING APPLICATIONS	Utility: PCT	
20140281736		13/866,020	4/18/13	Bottleneck Detector Application Programming Interface	Utility: Non- Provisional	final OA
20140013311		13/866,022	4/18/13	Iterative Bottleneck Detector for Executing Applications	Utility: Non- Provisional	non-final OA
20130289342		13/867,857	4/20/13	Tracing Closures in a Callback Environment	Utility: Non- Provisional	final OA

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
WO/2014/171982		PCT/US14/11727	1/15/14	TRACER LIST FOR AUTOMATICALLY CONTROLLING TRACER BEHAVIOR	Utility: PCT	
20140013369	8,990,777	13/899,506	5/21/13	Interactive Graph for Navigating Application Code	Utility: Non-Provisional	issued
WO2014189053		PCT/US14/11733	1/15/14	GRAPH FOR NAVIGATING APPLICATION CODE	Utility: PCT	
US 2014/0189650 A1		13/899,503	5/21/13	Setting Breakpoints Using an Interactive Graph Representing an Application	Utility: Non-Provisional	final OA
US 2014/0189651 A1		13/899,504	5/21/13	Animated Highlights in a Graph Representing an Application	Utility: Non-Provisional	final OA
US 2014/0189652 A1		13/899,507	5/21/13	Filtering and Transforming a Graph Representing an Application	Utility: Non-Provisional	final OA
20140317454	9,021,445	13/916,561	6/12/13	Tracer List for Automatically Controlling Tracer Behavior	Utility: Non-Provisional	issued
20140317603		13/916,563	6/12/13	Multiple Tracer Configurations Applied on a Function-by-Function Level	Utility: Non-Provisional	non-final OA
20140317604		13/916,565	6/12/13	Real Time Analysis of Tracer Summaries to Change Tracer Behavior	Utility: Non-Provisional	non-final OA
20140317605	8,966,452	13/916,568	6/12/13	User Interaction Analysis of Tracer Data for Configuring an Application Tracer	Utility: Non-Provisional	issued
20140317606	8,978,016	13/916,571	6/12/13	Error List and Bug Report Analysis for Configuring an Application Tracer	Utility: Non-Provisional	issued
US 2015-0029193 A1		13/949,978	7/24/13	Event Chain Visualization of Performance Data	Utility: Non-Provisional	
WO 2015/012885		PCT/US14/11798	1/16/14	EVENT VISUALIZATION OF PERFORMANCE DATA	Utility: PCT	
US 2015-0003172 A1		13/949,994	7/24/13	Timeline Charts with Subgraphs	Utility: Non-Provisional	
US 2015-0053403 A1		13/970,302	8/13/13	Snapshotting Executing Code with a Modifiable Snapshot Definition	Utility: Non-Provisional	final OA
WO 2015/026391		PCT/US14/11932	1/16/14	SNAPSHOTTING EXECUTING CODE WITH A MODIFIABLE SNAPSHOT DEFINITION	Utility: PCT	
US 2015-0063406 A1	9,021,444	13/970,319	8/13/13	Combined	Utility: Non-	issued

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
				Performance Tracer and Snapshot Debugging System	Provisional	
US 2015-0252400 A1		13/970,343	8/19/13	Breakpoint Setting Through a Debugger User Interface	Utility; Non-Provisional	final OA
		61/873,773	9/4/13	Module Specific Tracing in a Shared Module Environment	Utility; Provisional	expired
WFO 2015/039239A		PCT/US2014/060239	3/27/14	Module Specific Tracing in a Shared Module Environment	Utility; PCT	
US 2015-0367652 A1		14/455,156	8/6/14	Module Specific Tracing in a Shared Module Environment	Utility; Non-Provisional	NDA
		61/874,927	9/6/13	Tracing System for Application and Module Tracing	Utility; Provisional	expired
US 2015-0367654 A1		14/455,170	8/6/14	Tracing System for Application and Module Tracing	Utility; Non-Provisional	
		61/874,961	9/6/13	Module Database with Tracing Options	Utility; Provisional	expired
US 2015-0366869 A1		14/455,202	8/6/14	Module Database with Tracing Options	Utility; Non-Provisional	
		61/903,727	11/13/13	Determination of Production vs. Development Uses from Tracer Data	Utility; Provisional	expired
		PCT/US2014/060238	3/27/14	Determination of Production vs. Development Uses from Tracer Data	Utility; PCT	
		61/903,733	11/13/13	Analysis of Production Use Tracer Data to Determine Production-Related Metrics	Utility; Provisional	expired
		61/903,744	11/13/13	Module Search and Browse System with Production-Related Metrics	Utility; Provisional	expired
		61/903,755	11/13/13	Software Component Recommendation Based on Multiple Trace Runs	Utility; Provisional	expired
WFO 2015/071777		PCT/US2014/060239	3/27/14	Software Component Recommendation Based on Multiple Trace Runs	Utility; PCT	
		61/903,762	11/13/13	Relationship Graph for Software Component Recommendations	Utility; Provisional	expired
		61/903,768	11/13/13	Component Usage Recommendation	Utility; Provisional	expired

Publication/Ref	Patent/Ref	Application/Ref	Filing/Date	Title	Type	Status
				System with Relationship and Performance Matching		
		61/903,775	11/13/13	Application Execution Path Tracing with Configurable Origin Definition	Utility: Provisional	expired
		PCT/182014/060240	3/27/14	Application Execution Path Tracing with Configurable Origin Definition	Utility: PCT	
		61/903,781	11/13/13	User Interface for Selecting Tracing Origins for Aggregating Classes of Trace Data	Utility: Provisional	expired
		61/903,786	11/13/13	Tracing Origin Rules for Minimizing Trace Data Collection by Sampling	Utility: Provisional	expired
		61/930,923	1/23/14	Computer Performance Prediction Using Search Technologies	Utility: Provisional	expired
		PCT/182014/060241	3/28/14	Computer Performance Prediction Using Search Technologies	Utility: PCT	
		61/930,926	1/23/14	Event Prediction Using Historical Time Series Observations of a Computer Application	Utility: Provisional	expired
		61/930,928	1/23/14	Visualization of Behavior Clustering of Computer Applications	Utility: Provisional	expired
		61/930,929	1/23/14	Behavior Clustering Analysis and Alerting System for Computer Applications	Utility: Provisional	expired
		14/198,223	3/5/14	N-Gram Analysis of Software Behavior in Production and Testing Environments	Utility: Non-Provisional	
		PCT/1814/062278	6/16/14	N-Gram Analysis of Software Behavior in Production and Testing Environments	Utility: PCT	
		14/198,239	3/5/14	N-Gram Analysis of Inputs to a Software Application	Utility: Non-Provisional	
		14/198,254	3/5/14	Security Alerting Using N-Gram Analysis of Program Execution Data	Utility: Non-Provisional	non-final OA
		14/198,273	3/5/14	Automated	Utility: Non-	

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
				Regression Testing for Software Applications	Provisional	
		14/198,284	3/5/14	Regression Evaluation using Behavior Models of Software Applications	Utility: Non-Provisional	non-final CA
		14/198,296	3/5/14	Origin Trace Behavior Model for Application Behavior	Utility: Non-Provisional	
US 2015-0082285 A1		14/546,480	11/20/14	RUNTIME SETTINGS DERIVED FROM RELATIONSHIPS IDENTIFIED IN TRACER DATA	Continuation	
		12875730.9	6/6/12	Hybrid Operating System	EPC	Published in European Patent Bulletin
		14/581,973	12/24/14	Optimization Analysis Using Similar Frequencies	Continuation	
		14/617,909	2/9/15	TRACING WITH A WORKLOAD DISTRIBUTOR	Continuation	
		14/596,126	1/13/15	COMPUTER PERFORMANCE PREDICTION USING SEARCH TECHNOLOGIES	Utility: Non-Provisional	
		14/596,144	1/13/15	EVENT PREDICTION USING HISTORICAL TIME SERIES OBSERVATIONS OF A COMPUTER APPLICATION	Utility: Non-Provisional	
		14/596,151	1/13/15	VISUALIZATION OF BEHAVIOR CLUSTERING OF COMPUTER APPLICATIONS	Utility: Non-Provisional	
		14/596,159	1/13/15	BEHAVIOR CLUSTERING ANALYSIS AND ALERTING SYSTEM FOR COMPUTER APPLICATIONS	Utility: Non-Provisional	
		14/629,396	1/23/15	Memory Management Parameters Derived from System Modeling	Continuation in Part	
		14/629,113	1/23/15	TRANSMISSION POINT PATTERN EXTRACTION FROM EXECUTABLE CODE IN MESSAGE PASSING ENVIRONMENTS	Continuation	
		14/629,322	2/23/15	USER INTERACTION ANALYSIS OF TRACER DATA FOR	Continuation	

PublicationNum	PatentNum	ApplicationNum	FilingDate	Title	Type	Status
				CONFIGURING AN APPLICATION TRACER		
		14/642,192	3/10/15	ERROR LIST AND BUG REPORT ANALYSIS FOR CONFIGURING AN APPLICATION TRACER	Continuation	
		14/671,449	3/27/15	PERIODICITY OPTIMIZATION IN AN AUTOMATED TRACING SYSTEM	Continuation	
		14/666,120	3/23/15	INTERACTIVE GRAPH FOR NAVIGATING APPLICATION CODE	Continuation	
US20120277043A1		13/461,740	3/1/2012	Process Scheduling Using Scheduling Graph to Minimize Managed Elements	Utility: Non-Provisional	abandoned
US20120317421A1		13/526,723	6/19/2012	Fingerprinting Executable Code	Utility: Non-Provisional	abandoned
WO2013191719A1		PCT/US12/63033	11/1/2012	FINGERPRINTING EXECUTABLE CODE	Utility: PCT	expired
US20130085662A1		13/622,338	9/18/2012	Offline Optimization of Computer Software	Utility: Non-Provisional	abandoned
WO2014046725A1		PCT/US13/39379	5/3/2013	OFFLINE OPTIMIZATION OF COMPUTER SOFTWARE	Utility: PCT	expired
US20130219972A1		13/853,806	3/29/2013	Runtime Settings Derived from Relationships Identified in Tracer Data	Utility: Non-Provisional	abandoned
		41/801,298	3/15/2013	Increasing Performance at Runtime from Trace Data	Utility: Provisional	expired
US20140013306A1		13/867,061	4/20/2013	Computer Load Generator Marketplace	Utility: Non-Provisional	abandoned
WO2013165450A1		PCT/US12/43811	6/22/2012	PROCESS SCHEDULING USING SCHEDULING GRAPH TO MINIMIZE MANAGED ELEMENTS	Utility: PCT	expired

In addition, Assignor agrees to and hereby does sell, assign, transfer and convey unto Assignee all rights (i) in and to causes of action and enforcement rights for the Patent Rights including all rights to pursue damages, injunctive relief and other remedies for past, present and future infringement of the Patent Rights, (ii) the right to apply (or continue prosecution) in any and all countries of the world for patents, design patents, utility models, certificates of invention or other governmental grants for the Patent Rights, including without limitation under the Paris

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

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Kirkland, WA
on 6/12/2015

ASSIGNOR

By: [Signature]
Name: Alexander Courves
Title: CEO

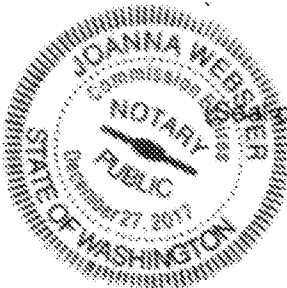
(Signature MUST be notarized)

State of Washington

County of King

I certify that I know or have satisfactory evidence that (name of person) is the person who appeared before me, and said person acknowledged that (he/she) signed this instrument and acknowledged it to be (his/her) free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: 6/12/15 Top of Form



(or stamp)

[Signature]
(Signature)

Notary Public
Title

My appointment
expires 12/27/17