

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DONALD J. HAMMERSTROM	03/06/2014
RON MELTON	03/06/2014
TRISHAN ESRAM	04/19/2014
JOHN E. HATHAWAY	03/06/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BATTELLE MEMORIAL INSTITUTE
<b>Street Address:</b>	902 BATTELLE BOULEVARD
<b>City:</b>	RICHLAND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	99354
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16795118
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(503)595-5301
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<b>ATTORNEY DOCKET NUMBER:</b>	23-90109-04
<b>NAME OF SUBMITTER:</b>	SANDON M. DUNCAN
<b>SIGNATURE:</b>	/Sandon M. Duncan/
<b>DATE SIGNED:</b>	02/19/2020
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

WHEREAS, we, Donald J. Hammerstrom, of West Richland, Washington, Ron Melton, of Richland, Washington, Trishan Efram, of Fairfax, Virginia, and John E. Hathaway, of Richland, Washington, have invented certain inventions as described in the following patent applications:

- (1) U.S. Provisional Patent Application No. 61/737,726, filed on December 16, 2012, entitled "Transactive Control Framework and Toolkit Functions," and
- (2) U.S. Patent Application No. 14/108,078, filed on December 16, 2013, entitled "Transactive Control and Coordination Framework and Associated Toolkit Functions,"

which applications are collectively referred to as the "patent applications."

WHEREAS, Battelle Memorial Institute, a corporation organized under the laws of the State of Ohio, having a place of business in the City of Richland, Washington, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Donald J. Hammerstrom, Ron Melton, Trishan Efram, and John E. Hathaway, hereby sell, assign and transfer to Battelle Memorial Institute, the full and exclusive right, title and interest in and to said inventions, patent applications and patent rights throughout the world, including foreign and U.S. patent priority rights (including, but not limited to, the right to claim priority to U.S. Provisional Patent Application No. 61/737,726), the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said inventions, patent applications and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Battelle Memorial Institute, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Battelle Memorial Institute, or its successors and assigns, any facts known to us respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything

possible to aid Battelle Memorial Institute, its successors and assigns to obtain and enforce proper patent protection for said inventions in the United States or any foreign country.

We confirm that at the time the inventions were made, we were under an obligation to assign the inventions to Battelle Memorial Institute.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

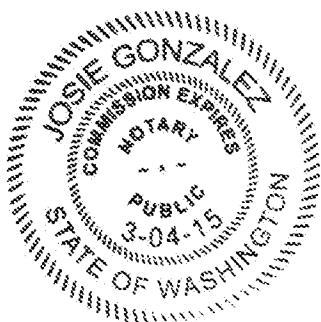
Executed at the place and date opposite our respective signatures below.

At Richland, WA Donald J. Hammerstrom  
(City and State)  
on this 6<sup>th</sup> day of March, 20 14.  
Donald J. Hammerstrom

STATE OF )  
COUNTY OF ) ss.

This 6 day of March, 20 14, before me personally came the above-named Donald J. Hammerstrom, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Donald J. Hammerstrom's own free will for the purpose set forth therein.

[SEAL]



Josie Gonzalez  
Notary Public For  
My commission expires:

R. M. Melton

Ron Melton

At Richland, WA

(City and State)

on this 6 day of March, 2014.

STATE OF

)

)

ss.

COUNTY OF

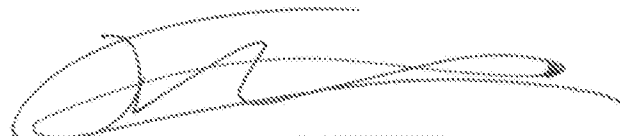
)

This 6 day of March, 2014, before me personally came the above-named Ron Melton, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Ron Melton's own free will for the purpose set forth therein.

Josie Gonzalez  
Notary Public For  
My commission expires:

[SEAL]



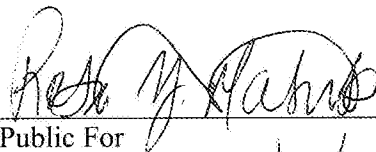


Trishan Eram

At Fairfax, VA  
(City and State)  
on this 19 day of April, 2014

STATE OF Virginia )  
COUNTY OF Fairfax ) ss.

This 19 day of April, 2014, before me personally came the above-named Trishan Eram, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Trishan Eram's own free will for the purpose set forth therein.



Notary Public For  
My commission expires: 03/31/2018

[SEAL]

At Richland, WA John E. Hathaway  
(City and State)  
on this 6 day of March, 2014.

STATE OF )  
COUNTY OF ) ss.

This 6 day of March, 2014, before me personally came the above-named John E. Hathaway, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by John E. Hathaway's own free will for the purpose set forth therein.

Josie Gonzalez  
Notary Public For  
My commission expires:

[SEAL]

