

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4952925

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the APPLICATION NUMBER 15952205 previously recorded on Reel 045714 Frame 0761. Assignor(s) hereby confirms the APPLICATION NUMBER 15952305.
CONVEYING PARTY DATA	
Name	Execution Date
GEORGIY LEVCHUK	05/04/2011
NATHAN SCHURR	04/27/2011
DARBY HERING	05/05/2011
MITCH ZAKIN	05/13/2011
RECEIVING PARTY DATA	
Name:	APTIMA, INC.
Street Address:	12 GILL STREET
Internal Address:	STE. 1400
City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15952305
CORRESPONDENCE DATA	
Fax Number:	(781)935-4385
<i>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.</i>	
Phone:	781-935-3966
Email:	patent@aptima.com
Correspondent Name:	APTIMA, INC.
Address Line 1:	12 GILL STREET
Address Line 2:	STE. 1400
Address Line 4:	WOBURN, MASSACHUSETTS 01801
ATTORNEY DOCKET NUMBER:	APT11003PPPUP2
NAME OF SUBMITTER:	RACHEL BURRISS
SIGNATURE:	/Rachel Burriss/
DATE SIGNED:	05/09/2018

Total Attachments: 17

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
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<table><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>DARBY HERING</td><td>05/05/2011</td></tr><tr><td>MITCH ZAKIN</td><td>05/13/2011</td></tr><tr><td>GEORGIY LEVCHUK</td><td>05/04/2011</td></tr><tr><td>NATHAN SCHURR</td><td>04/27/2011</td></tr></tbody></table>	Name	Execution Date	DARBY HERING	05/05/2011	MITCH ZAKIN	05/13/2011	GEORGIY LEVCHUK	05/04/2011	NATHAN SCHURR	04/27/2011	
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Address Line 2:	STE. 1400										
Address Line 4:	WOBURN, MASSACHUSETTS 01801										
NAME OF SUBMITTER:	RACHEL BURRISS										

Signature:	/Rachel Burriss/
Date:	05/04/2018
Total Attachments: 13 source=APTI1003PPPU_AppAssign_Hering_signed#page1.tif source=APTI1003PPPU_AppAssign_Hering_signed#page2.tif source=APTI1003PPPU_AppAssign_Hering_signed#page3.tif source=APTI1003PPPU_AppAssign_Hering_signed#page4.tif source=APTI1003PPPU_AppAssign_Zakin_signed#page1.tif source=APTI1003PPPU_AppAssign_Zakin_signed#page2.tif source=APTI1003PPPU_AppAssign_Zakin_signed#page3.tif source=APTI1003PPPU_AppAssign_Zakin_signed#page4.tif source=APTI1003PPPU_AppAssign_LevchukSchurr_signed#page1.tif source=APTI1003PPPU_AppAssign_LevchukSchurr_signed#page2.tif source=APTI1003PPPU_AppAssign_LevchukSchurr_signed#page3.tif source=APTI1003PPPU_AppAssign_LevchukSchurr_signed#page4.tif source=APTI1003PPPU_AppAssign_LevchukSchurr_signed#page5.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT4946600
Receipt Date:	05/04/2018

PATENT APPLICATION ASSIGNMENT

Whereas we, the undersigned, ^{DEH}~~HERKING~~ and MITCH ZAKIN, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent with the United States of America and/or the International Bureau of the World Intellectual Property Organization entitled SYSTEMS AND METHODS OF POWER MANAGEMENT, identified as Attorney Docket No. APT1003PPPU, and which application was filed on April 18, 2011 and Assigned Application No. 13/088,607. A draft of an Abstract of the inventions or discoveries is included at Attachment A.

In the event that the filing date and/or Application No. are not entered above at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorney, John J. Brooks III of Aptima, 12 Gill Street, Suite 1400, Woburn, MA 01801, to insert above the filing date and/or Application No. of said application.

Whereas Aptima, Inc., a Massachusetts Corporation having a place of business at 12 Gill Street, Suite 1400, Woburn, MA 01801, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all

Init.: _____, _____, ^{DEH}_____

said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have each executed this Assignment on the date indicated above each of our respective names.

Dated _____

Georgiy Levchuk

(Residential Address)

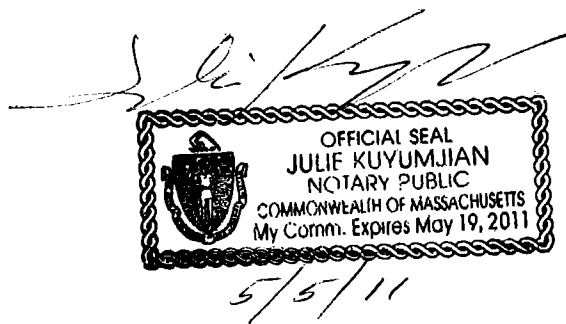
Dated _____

Nathan Schurr

(Residential Address)

Init.: _____, _____, , _____

Dated 5/5/11



Dated _____

[Signature]

Darby E. Herking
DEH

7 Albion Pl. #2, Charlestown, MA 02129
(Residential Address)

Mitch Zakin

(Residential Address)

Init.: _____, _____, *DEH*, _____

ATTACHMENT A

DRAFT OF ABSTRACT:

A method for power management comprising inferring a user behavior from an action, inferring a mission state from the action and an event, forecasting a forecasted action from the user behavior and the mission state and outputting an instruction to modify a power resource allocation based on the forecasted action. A processor based assembly for power management of at least one device comprising a means to infer a user behavior from an action, a means to infer a mission state from the action and an event, a means to forecast and a means to plan power management from the inferred information. In some embodiments, the systems and methods apply pattern recognition algorithms and pattern learning algorithms to manage the power allocation to power consuming devices.

Init.: _____, _____, DEL, _____

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Whereas we, the undersigned, GEORGIY LEVCHUK, NATHAN SCHURR, DARBY E. HERRING and MITCH ZAKIN, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent with the United States of America and/or the International Bureau of the World Intellectual Property Organization entitled SYSTEMS AND METHODS OF POWER MANAGEMENT, identified as Attorney Docket No. APT11003PPPU, and which application was filed on April 18, 2011 and Assigned Application No. 13/088,607. A draft of an Abstract of the inventions or discoveries is included at Attachment A.

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Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all

Init.: NS, GL, _____, _____

said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have each executed this Assignment on the date indicated above each of our respective names.

Dated 5/4/11


Georgiy Levchuk

3 Cherry Ln S. Grafton MA 01560
(Residential Address)

Dated 4/27/11


Nathan Schurr

88 Mt. Vernon St. Malden, MA
(Residential Address)

02148

Init.: NS, GL, _____, _____

On this 27th day of April, 2011, before me, the undersigned notary public, personally appeared Nathan Schurr, proved to me through satisfactory evidence of identification, which were Massachusetts Drivers License, to be the person whose name is signed on the preceding or attached document, in my presence.

Debra L. McNeely
Debra L. McNeely
My commission expires: March 23, 2012

Dated _____

Darby E. Herring

(Residential Address)

Dated _____

Mitch Zakin

(Residential Address)

Init.: NS, GL, _____, _____

On this 4th day of May, 2011, before me, the undersigned notary public, personally appeared Georgiy Levchuk, proved to me through satisfactory evidence of identification, which were Massachusetts Drivers License, to be the person whose name is signed on the preceding or attached document, in my presence.

Debra L. McNeely
Debra L. McNeely
My commission expires: March 23, 2012

Dated _____

Darby E. Herring

(Residential Address)

Dated _____

Mitch Zakin

(Residential Address)

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Georgiy Levchuk

(Residential Address)

Dated _____

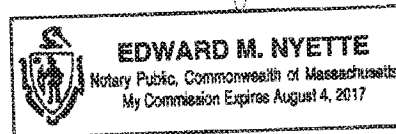
Nathan Schurr

(Residential Address)

Init.:  _____

On this 13th day of MAY, 20 11, before me, the undersigned notary public, personally appeared MITCH ZAKIN, proved to me through satisfactory evidence of identification, which were MA DRIVERS LICENSE, to be the person whose name is signed on the preceding or attached document, in my presence.

Debra L. McNulty
My commission expires: March 23, 2012



Dated _____

Darby E. Herring

(Residential Address)

Dated 5/13/11

Mitch Zakin
Mitch Zakin

6 Abbott Bridge Drive
(Residential Address) Andover, MA 01810

Init. guy _____

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