

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Gilbert Mizrahi	07/08/2013
RECEIVING PARTY DATA	
Name:	Aptima, Inc.
Street Address:	12 Gill Street
Internal Address:	Suite 1400
City:	Woburn
State/Country:	MASSACHUSETTS
Postal Code:	01801
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13674429
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ATTORNEY DOCKET NUMBER:	APT1104PPPU
NAME OF SUBMITTER:	John J. Brooks III
Signature:	/John J. Brooks III, Reg. No. 40533/
Date:	07/24/2013
Total Attachments: 3 source=APT1104PPPU_Pat_Assign_Mizrahi_signed#page1.tif source=APT1104PPPU_Pat_Assign_Mizrahi_signed#page2.tif source=APT1104PPPU_Pat_Assign_Mizrahi_signed#page3.tif	

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## INVENTION AND PATENT APPLICATION ASSIGNMENT

Whereas I/we, the undersigned, GILBERT MIZRAHI, hereby have made certain inventions or discoveries (or both) set forth in the following applications for Letters Patent with the United States of America and/or the International Bureau of the World Intellectual Property Organization:

1. Invention entitled SYSTEMS AND METHODS TO REACT TO ENVIRONMENTAL INPUT, identified as Attorney Docket No. APTII104PPPU and which application was filed on Nov. 12, 2012 with the US Patent and Trademark Office and Assigned Application No. 13/674429. A draft of an Abstract of the inventions or discoveries for this application is included at Attachment A.

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 I/we hereby acknowledge, I/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 non-provisional, 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 said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

Init.: GM, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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**PATENT**  
**REEL: 030863 FRAME: 0039**

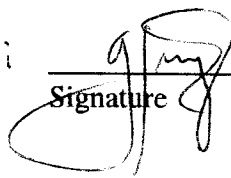
4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee 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 I/we have each executed this Assignment on the date indicated above each of our respective names.

Date: 7/8/13

Gilbert Mizrahi  
Printed Name

  
Signature

Init.: GM, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

## ATTACHMENT A

### DRAFT OF ABSTRACT OF THE INVENTIONS OR DISCOVERIES:

Computer implemented systems and methods of communicating a system reaction to environmental input comprising receiving environmental input, determining a hazard state and a user state from the environmental input, determining a system reaction from the hazard state and the user state and communicating the system reaction to a user interface. In some embodiments, the system reaction comprises a system reaction level and in some embodiments the system reaction level corresponds to a stage of automation. In some embodiments, the user interface is a multimodal interface and in some embodiments the user interface is a haptic interface.

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, in my presence.

\_\_\_\_\_

Init.: SM, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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