503589631 12/01/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3636261

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW S. KEEGAN	10/19/2015
RYAN F. COMPTON	10/16/2015
TSAI-CHING LU	10/07/2015

RECEIVING PARTY DATA

Name:	HRL LABORATORIES, LLC		
Street Address:	3011 MALIBU CANYON ROAD		
City:	MALIBU		
State/Country:	CALIFORNIA		
Postal Code:	90265		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14830289

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	HRL440
NAME OF SUBMITTER:	RACHEL HERRERA
SIGNATURE:	/Rachel Herrera/
DATE SIGNED:	12/01/2015

Total Attachments: 3

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PATENT 503589631 REEL: 037172 FRAME: 0854

Attorney Docket: HRL440 HRL docket No.: 140601

Invention Title: SYSTEM AND METHOD FOR USING NETWORK DATA TO IMPROVE EVENT

PREDICTIONS

ASSIGNMENT

WHEREAS, I, Matthew S. Keegan of 9 Moraine Street, Boston, MA 02130, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in SYSTEM AND METHOD FOR USING NETWORK DATA TO IMPROVE EVENT PREDICTIONS (hereinafter "Invention") for which a United States patent application was filed on August 19, 2015, Application Serial No. 14/830,289.

AND

WHEREAS, FIRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries and jurisdictions in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof I hereby acknowledge, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignce the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries and jurisdictions, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, patents, designs, utility models, and inventor certificates which may be granted therefor in the United States of America and its territorial possessions and in all foreign countries and jurisdictions. I hereby authorize and request the U.S. Patent and Trudemark Office and the equivalent offices of foreign countries and jurisdictions, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assigner's sole use and benefit, for the full extent of the term for which United States and foreign patents and the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not

I further covenant and agree with the Assigned that I have full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefor, and at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing, or recxamining United States and foreign patents or the like for the Invention, and for maintaining and perfecting the Assigner's right to the Invention and any and all intellectual or industrial property rights therein, particularly in cases of interference, conflict, opposition, and litigation.

IN TESTIMONY WHEREOF, I have becente set my hand.

Executed this 19 day of October , 2015	, y
atBoston(city)	MAG
	(Signature)

Attorney Docket: HRL440 HRL docket No.: 140601

Invention Title: SYSTEM AND METHOD FOR USING NETWORK DATA TO IMPROVE EVENT

PREDICTIONS

ASSIGNMENT

WHEREAS, I, Ryan F. Compton of 3735 Mentone Avenue #1, Los Angeles, CA 90034, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in SYSTEM AND METHOD FOR USING NETWORK DATA TO IMPROVE EVENT PREDICTIONS (hereinafter "Invention") for which a United States patent application was filed on August 19, 2015, Application Serial No. 14/830,289.

AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries and jurisdictions in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof I hereby acknowledge, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries and jurisdictions, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, patents, designs, utility models, and inventor certificates which may be granted therefor in the United States of America and its territorial possessions and in all foreign countries and jurisdictions. I hereby authorize and request the U.S. Patent and Trademark Office and the equivalent offices of foreign countries and jurisdictions, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit, for the full extent of the term for which United States and foreign patents and the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefor, and at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing, or reexamining United States and foreign patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights therein, particularly in cases of interference, conflict, opposition, and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand,

Executed this	16	day of	Oct	, 20	115,		
at	New York_			(city)	Lyn (A. T.	
					Same	(Signature)	

PATENT REEL: 037172 FRAME: 0856 Attorney Docket: HRL440 HRL docket No.: 140601

Invention Title: SYSTEM AND METHOD FOR USING NETWORK DATA TO IMPROVE EVENT

PREDICTIONS

ASSIGNMENT

WHEREAS, I, Tsai-Ching Lu of 107 Mcafee Court, Thousand Oaks, CA 91360, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in SYSTEM AND METHOD FOR USING NETWORK DATA TO IMPROVE EVENT PREDICTIONS (hereinafter "Invention") for which a United States patent application was filed on August 19, 2015, Application Serial No. 14/830,289.

AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries and jurisdictions in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof I hereby acknowledge, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries and jurisdictions, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, patents, designs, utility models, and inventor certificates which may be granted therefor in the United States of America and its territorial possessions and in all foreign countries and jurisdictions. I hereby authorize and request the U.S. Patent and Trademark Office and the equivalent offices of foreign countries and jurisdictions, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit, for the full extent of the term for which United States and foreign patents and the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefor, and at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing, or reexamining United States and foreign patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights therein, particularly in cases of interference, conflict, opposition, and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

PATENT REEL: 037172 FRAME: 0857

RECORDED: 12/01/2015