502841878 06/06/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2888475

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HANKYU MOON	06/05/2014
TSAI-CHING LU	04/28/2014

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:	14207269

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	HRL295
NAME OF SUBMITTER:	RACHEL HERRERA
SIGNATURE:	/Rachel Herrera/
DATE SIGNED:	06/06/2014

Total Attachments: 2

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PATENT 502841878 REEL: 033050 FRAME: 0920

Attorney Docket: HRL295 HRL docket No.: 111284

Invention Title: SYSTEM FOR INSTABILITY DETECTION AND STRUCTURE ESTIMATION OF

COMPLEX NETWORK DYNAMICS

ASSIGNMENT

WHEREAS, I, Hankyu Moon of 5005 Benedict Court, Oak Park, CA 91377, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in SYSTEM FOR INSTABILITY DETECTION AND STRUCTURE ESTIMATION OF COMPLEX NETWORK DYNAMICS (hereinafter "Invention") for which a United States patent application was filed on March 12, 2014, Application Serial No. 14/207,269.

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 laving 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 Assignce, any and all applicable intellectual or industrial property rights in the Invention, for the Assignce'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 bereunto set my hand.

Executed this day of	<u>June</u> , 2014,	*
" Malibu, CA	·	<u> </u>

PATENT REEL: 033050 FRAME: 0921 Attorney Docket: HRL295 HRL docket No.: 111284

Invention Title: SYSTEM FOR INSTABILITY DETECTION AND STRUCTURE ESTIMATION OF

COMPLEX NETWORK DYNAMICS

ASSIGNMENT

WHEREAS, I, Tsai-Ching Lu of 914 Remington Road, Wynnewood, PA 19096, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in SYSTEM FOR INSTABILITY DETECTION AND STRUCTURE ESTIMATION OF COMPLEX NETWORK DYNAMICS (hereinafter "Invention") for which a United States patent application was filed on March 12, 2014, Application Serial No. 14/207,269.

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 Assignce, 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.

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this <u>28</u> day of <u>Aprol</u>, 2014, at <u>Malibu</u>, <u>C</u>

PATENT REEL: 033050 FRAME: 0922

RECORDED: 06/06/2014