PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID MATHEW JOHNSON	07/24/2014
SCOTT A. UHLAND	07/30/2014
RAMKUMAR ABHISHEK	07/24/2014
ROBERT THOMAS KRIVACIC	07/08/2014
MARTIN SHERIDAN	07/24/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14448074

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ATTORNEY DOCKET NUMBER:	29833-0043
NAME OF SUBMITTER:	STACY D. FREDRICH
SIGNATURE:	/Stacy D. Fredrich/
DATE SIGNED:	07/31/2014

Total Attachments: 3

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PATENT REEL: 033436 FRAME: 0230

ASSIGNMENT

Attorney Docket No.: 20130335US01 (29833-0043)

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled IMPLANTABLE ESTRUS DETECTION DEVICES, SYSTEMS, AND METHODS (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:			
 is being executed concurrently herewith, was first executed on was filed on as Application Number claims the benefit of U.S. Provisional Application(s) No(s). 			
Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).			
For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and			
 request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC; agree that PARC may apply for and receive all foreign Letters Patent thereon; agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above. 			
7/24/2014			
David Mathew Johnson Date			
Scott A. Uhland Date			
Ramkumar Abhishek Date			
Ramkumar Abhishek Date			

Date

7-24-/4/

Robert Thomas Krivacic

ASSIGNMENT

Attorney Docket No.: 20130335US01 (29833-0043)

The undersigned is/are the named inventor(s) (the "Inventitled IMPLANTABLE ESTRUS DETECTION DEVICES for inventions disclosed or claimed therein (the "Invention(S, SYSTEMS, AND METHODS (the "Application")
 is being executed concurrently herewith, was first executed on was filed on as Application Number claims the benefit of U.S. Provisional Application 	on(s) No(s). / filed .
Palo Alto Research Center Incorporated, a Delaware Coassigns, and its legal representatives ("PARC"), is entitled and the full cooperation of the Inventor(s).	orporation, on behalf of itself, its successors and
For valuable consideration, the receipt of which is here assign(s), and transfer(s) to PARC the entire and exclusive invention(s), in and for the United States, its territories, a patents, design registrations and publications obtained or rights under all present or future conventions and treaties, is claimed in the Application; and	re right, title and interest in the Application and the nd all foreign countries, including all applications, or derived therefrom, world wide, and all priority
 request the U.S. Commissioner of Patents to issue all (2) agree that PARC may apply for and receive all foreign agree to execute all papers and take all actions requested by PARC; and authorize PARC to subsequently enter the Application entered above. 	n Letters Patent thereon; necessary or desirable in connection therewith
David Mathew Johnson Adath A	7/30/14
Scott A. Uhland (/ / / / Ramkumar Abhishek	Date / /
Mannana Aynala	Date

Date

Date

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Robert Thomas Krivacic

Martin Sheridan

<u>ASSIGNMENT</u>

Attorney Docket No.: 20130335US01 (29833-0043)

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The undersigned is/are the named inventor(s) (the "lientitled IMPLANTABLE ESTRUS DETECTION DEVICE for inventions disclosed or claimed therein (the "Invention	ES. SYSTEMS. AND MET	States patent application HODS (the "Application")
 is being executed concurrently herewith, i was first executed on i was filed on i as Application Number ii claims the benefit of U.S. Provisional Application 	tion(s) No(s).	filed .
Palo Alto Research Center Incorporated, a Delaware Cassigns, and its legal representatives ("PARC"), is entitled and the full cooperation of the inventor(s).	Corporation, on behalf of it	tself, its successors and tion and the Invention(s),
For valuable consideration, the receipt of which is her assign(s), and transfer(s) to PARC the entire and exclus Invention(s), in and for the United States, its territories, patents, design registrations and publications obtained rights under all present or future conventions and treaties is claimed in the Application; and	ive right, title and interest in and all foreign countries, in or derived therefrom, wo	n the Application and the noluding all applications, all wide and all priority
 request the U.S. Commissioner of Patents to issue a agree that PARC may apply for and receive all foreign agree to execute all papers and take all actions requested by PARC; and authorize PARC to subsequently enter the Applic entered above. 	gn Letters Patent thereon; s necessary or desirable	in connection therewith
David Mathew Johnson	Date	
Scott A. Uhland	Date	
Ramkumar Abhishek And Thomas Krivacic Robert Thomas Krivacic	Date 7/8//4	
	- ,	

Date

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RECORDED: 07/31/2014

Martin Sheridan