

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
David Eric Schwartz	04/30/2010
Sean Garner	04/30/2010
RECEIVING PARTY DATA	
Name:	Palo Alto Research Center Incorporated
Street Address:	3333 Coyote Hill Road
City:	Palo Alto
State/Country:	CALIFORNIA
Postal Code:	94301
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12771666
CORRESPONDENCE DATA	
Fax Number:	(650)941-4405
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	650-941-4470
Email:	office.action@xerox.com
Correspondent Name:	JAS IP CONSULTING
Address Line 1:	309 2ND STREET
Address Line 2:	SUITE 8
Address Line 4:	LOS ALTOS, CALIFORNIA 94022
ATTORNEY DOCKET NUMBER:	20100039-US-NP
NAME OF SUBMITTER:	Jonathan A. Small
Total Attachments: 1 source=XRX-10-02-assign#page1.tif	

CH \$40.00 12771666

ASSIGNMENT

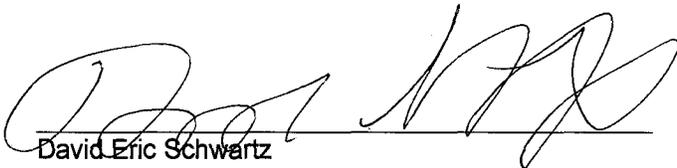
The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **Optimization of a Thermoacoustic Apparatus Based on Operating Conditions and Selected User Input** (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which 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) _____ filed _____

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).

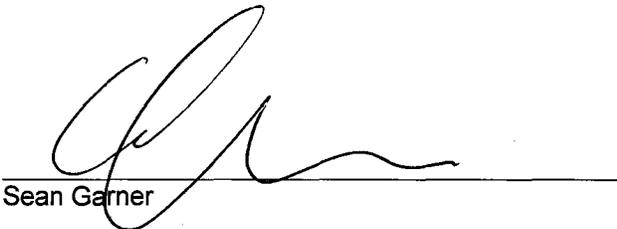
For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, 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

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.



David Eric Schwartz

April 30, 2010
DATE



Sean Garner

April 30, 2010
DATE