

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David E. Schwartz</td> <td>09/20/2013</td> </tr> <tr> <td>Dirk DeBruyker</td> <td>09/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	David E. Schwartz	09/20/2013	Dirk DeBruyker	09/20/2013
Name	Execution Date						
David E. Schwartz	09/20/2013						
Dirk DeBruyker	09/20/2013						
RECEIVING PARTY DATA							
Name:	Palo Alto Research Center Incorporated						
Street Address:	3333 Coyote Hill Road						
City:	Palo Alto						
State/Country:	CALIFORNIA						
Postal Code:	94304						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14033240</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14033240		
Property Type	Number						
Application Number:	14033240						
CORRESPONDENCE DATA							
Fax Number:	6509414405						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	650-941-4470						
Email:	admin@jasipc.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:	20121016-US-NP						
NAME OF SUBMITTER:	Jonathan A. Small						
Signature:	/Jonathan A. Small/						
Date:	09/20/2013						
Total Attachments: 1 source=XR-13-04-assign#page1.tif							

CH \$40.00 14033240

ASSIGNMENT

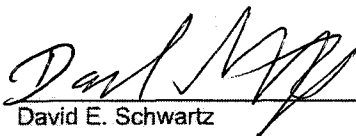
The undersigned are the named inventors (the "Inventors") on a United States patent application entitled **Electrocaloric Cooler and Heat Pump** (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:

- 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 Inventors hereby sell, assign, and transfer 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, worldwide, 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

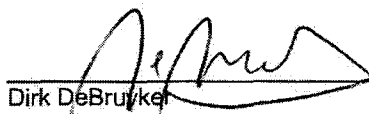
- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested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



David E. Schwartz

9/20/13

Date



Dirk DeBruyker

9/20/2013

Date