

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>Eugene M. Chow</td> <td>12/13/2011</td> </tr> <tr> <td>Eric J. Shrader</td> <td>12/12/2011</td> </tr> <tr> <td>John S. Pacshkewitz</td> <td>12/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Eugene M. Chow	12/13/2011	Eric J. Shrader	12/12/2011	John S. Pacshkewitz	12/13/2011
Name	Execution Date								
Eugene M. Chow	12/13/2011								
Eric J. Shrader	12/12/2011								
John S. Pacshkewitz	12/13/2011								
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>13330316</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13330316				
Property Type	Number								
Application Number:	13330316								
CORRESPONDENCE DATA									
Fax Number:	(650)941-4405								
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NAME OF SUBMITTER:	Jonathan A. Small								
Total Attachments: 1 source=XRX-11-05-assign#page1.tif									

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ASSIGNMENT

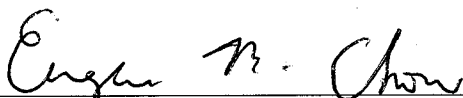
The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **Microspring Structures Adapted for Target Device Cooling** (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:

- 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, 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.



 Eugene M. Chow

Dec 13, 2011


 Date



 Eric J. Shrader

Dec 13, 2011

 Date



 John S. Paschkewitz

Dec 13, 2011

 Date