

PATENT ASSIGNMENT COVER SHEET

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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>KEVIN MATTHEW CRABB</td> <td>09/17/2013</td> </tr> <tr> <td>PHILIPP ENGESSER</td> <td>09/16/2013</td> </tr> <tr> <td>VIJAY KUMAR BADAM</td> <td>09/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	KEVIN MATTHEW CRABB	09/17/2013	PHILIPP ENGESSER	09/16/2013	VIJAY KUMAR BADAM	09/16/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>LAM RESEARCH AG</td> </tr> <tr> <td>Street Address:</td> <td>SEZ STRASSE 1</td> </tr> <tr> <td>City:</td> <td>VILLACH</td> </tr> <tr> <td>State/Country:</td> <td>AUSTRIA</td> </tr> <tr> <td>Postal Code:</td> <td>A-9500</td> </tr> </table>		Name:	LAM RESEARCH AG	Street Address:	SEZ STRASSE 1	City:	VILLACH	State/Country:	AUSTRIA	Postal Code:	A-9500
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number:	(703)685-0573										
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	YOUNG & THOMPSON										
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Address Line 2:	SUITE 500										
Address Line 4:	ALEXANDRIA, VIRGINIA 22314										
ATTORNEY DOCKET NUMBER:	4303-1095										
NAME OF SUBMITTER:	ANDREW J. PATCH										
Signature:	/Andrew J. Patch/										

Date:	10/23/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 2 source=DEC-ASSIGN#page1.tif source=DEC-ASSIGN#page2.tif	

ASSIGNMENT AND INVENTOR'S DECLARATION

WHEREAS I/we, the undersigned inventor(s), hereafter also referred to as "assignor(s)", have invented certain new and useful improvements described in the application identified below; and

WHEREAS, Lam Research AG, an Austrian corporation whose address is SEZ Strasse 1, A-9500 Villach, Austria, hereinafter referred to as "assignee", is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the above-named assignor(s), hereby:

- 1) sell, assign and transfer to the above named assignee, its successors and assigns, the entire right title and interest in any and all improvements and inventions disclosed in, application based upon, and Patent (including foreign patents) granted upon the information, which is disclosed in the above referenced application, including the right to bring or maintain an action and to recover damages for past, present or future infringement of such Patent, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Convention of Paris (1883), as amended, of or in any corresponding foreign patent application, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee(s), its successors and assigns.
- 2) authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute or reissue thereof to the assignee.
- 3) agree with any future decision of assignee as to filing and/or not filing in certain countries as well as with any future decision of assignee regarding prosecution and/or abandonment of patents and patent application.
- 4) agree to execute all papers and documents and, entirely at assignee's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 5) agree that the terms, covenants and conditions of this assignment shall inure to the benefit of assignee, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 6) warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this agreement.

As a below named inventor, I hereby declare that:

This assignment and declaration is directed to:

☐ The attached application, or

☒ United States Application or PCT International Application Number 13/932,926 filed on July 1, 2013 (Confirmation No. 2771).

The application is entitled: **APPARATUS FOR LIQUID TREATMENT OF DISC-SHAPED ARTICLES AND HEATING SYSTEM FOR USE IN SUCH APPARATUS**

The above-identified application was made or was authorized to be made by me.

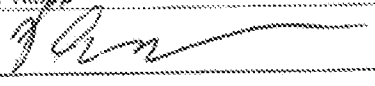
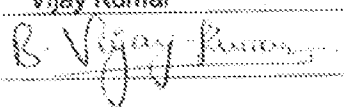
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Given Name(s)	Kevin Matthew	Family Name/Surname(s)	CRABB
Inventor's Signature:			Date <u>Sept. 17, 2013</u>

PATENT

REEL: 031463 FRAME: 0383

Given Name(s)	Philipp	Family Name/Surname(s)	ENGESSER
Inventor's Signature:		Date	16.09.2013
Given Name(s)	Vijay Kumar	Family Name/Surname(s)	BADAM
Inventor's Signature:		Date	16-09-2013