

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
ADVANCED TECHNOLOGY MATERIALS, INC.		12/07/2014
RECEIVING PARTY DATA		
Name:	ENTEGRIS, INC.	
Street Address:	129 CONCORD ROAD	
City:	BILLERICA	
State/Country:	MASSACHUSETTS	
Postal Code:	01821	
PROPERTY NUMBERS Total: 6		
Property Type	Number	
Patent Number:	8785889	
Patent Number:	8399865	
Patent Number:	8237134	
PCT Number:	US2011026388	
Application Number:	61308428	
Application Number:	61390715	
CORRESPONDENCE DATA		
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NAME OF SUBMITTER:	STEVEN J. HULTQUIST	
SIGNATURE:	/Steven J. Hultquist/	
DATE SIGNED:	12/29/2014	
Total Attachments: 2		
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PATENT

ASSIGNMENT

Advanced Technology Materials, Inc., a corporation of Delaware, United States of America, and the owner by assignment of all rights, title, ownership, and interests in and to the patents and patent applications identified in the attached Schedule A hereof ("Patent Assets"),

hereby transfers, sells, conveys, and assigns to


Entegris, Inc., a corporation of Delaware, United States of America, having offices at 129 Concord Road, Billerica, MA 01821 USA,

all rights, title, ownership, and interests in and to the Patent Assets, including the right to assert and enforce the Patent Assets against past infringement by third parties.

This Assignment is made in consideration of the undertaking of Entegris, Inc. to hereafter manage and administer the Patent Assets as fully and completely as Advanced Technology Materials, Inc. could have done in the absence of this Assignment, and in effectuation of the commitments and obligations of Advanced Technology Materials, Inc. pursuant to the acquisition of its parent company ATMI, Inc. by Entegris, Inc., as well as for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged.

IN WITNESS WHEREOF, Advanced Technology Materials, Inc. has caused this Assignment to be executed by its duly authorized representative, who by his signature warrants and represents such authority, to be effective as of and from April 30, 2014.

Advanced Technology Materials, Inc.

By: 
Peter W. Walcott
Senior Vice President & Secretary

Date: 12/2/14

Schedule A

U.S. Patent No.	Issue Date	US/PCT Appln. No.	Filing Date	Title
8,785,889	July 22, 2014	13/840,961	March 15, 2013	Method and Apparatus for Enhanced Lifetime and Performance of Ion Source in an Ion Implantation System
8,399,865	March 19, 2013	13/567,571	August 6, 2012	Method and Apparatus for Enhanced Lifetime and Performance of Ion Source in an Ion Implantation System
8,237,134	August 7, 2012	13/401,527	February 21, 2012	Method and Apparatus for Enhanced Lifetime and Performance of Ion Source in an Ion Implantation System
—	—	PCT/US2011/026388	February 26, 2011	Method and Apparatus for Enhanced Lifetime and Performance of Ion Source in an Ion Implantation System
—	—	61/308,428	February 26, 2010	Method and Apparatus for Enhanced Lifetime and Performance of Ion Source in an Ion Implantation System
—	—	61/390,715	October 7, 2010	Method and Apparatus for Enhanced Lifetime and Performance of Ion Source in an Ion Implantation System