

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>GEORGE GONNELLA</td> <td>11/17/2006</td> </tr> <tr> <td>JAMES CEDRONE</td> <td>11/17/2006</td> </tr> <tr> <td>IRAJ GASHGAE</td> <td>11/21/2007</td> </tr> </tbody> </table>		Name	Execution Date	GEORGE GONNELLA	11/17/2006	JAMES CEDRONE	11/17/2006	IRAJ GASHGAE	11/21/2007
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GEORGE GONNELLA	11/17/2006								
JAMES CEDRONE	11/17/2006								
IRAJ GASHGAE	11/21/2007								
RECEIVING PARTY DATA									
Name:	ENTEGRIS, INC.								
Street Address:	129 CONCORD ROAD								
City:	BILLERICA								
State/Country:	MASSACHUSETTS								
Postal Code:	01821-4600								
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>14152866</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14152866				
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Application Number:	14152866								
CORRESPONDENCE DATA									
Fax Number:									
Phone:	512 637 9220								
Email:	dnarvaiz@sprinklelaw.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	SPRINKLE IP LAW GROUP								
Address Line 1:	1301 W. 25TH STREET								
Address Line 2:	SUITE 408								
Address Line 4:	AUSTIN, TEXAS 78705								
ATTORNEY DOCKET NUMBER:	ENTG1750-4								
NAME OF SUBMITTER:	KATHARINA W. SCHUSTER								
Signature:	/Katharina W. Schuster/								

Date:

01/10/2014

Total Attachments: 3

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ASSIGNMENT

This Assignment is made by **George Gonnella of Pepperell, MA, James Cedrone of Braintree, MA, and Iraj Gashgae of Marlborough, MA** ("Assignors").

WHEREAS, Assignors have invented a new and useful invention entitled "**SYSTEM AND METHOD FOR POSITION CONTROL OF A MECHANICAL PISTON IN A PUMP**", for which an application for United States Patent is made, said application being submitted concurrently herewith; and

WHEREAS, Assignors believe themselves to be the original inventors of the invention including any and all improvements disclosed in said application ("Invention"); and

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to said Invention, said application, on any subsequently filed divisional, continuation, continuation-in-part, re-examination, reissue or other application, and any patents, invention registrations or other forms of protection ("Patents") that may be granted for said Invention in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the Invention and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, and transfer to **Entegris, Inc.** having a principal place of business at **3500 Lyman Boulevard, Chaska, MN 55318** (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said Invention, said application and any Patents that may be granted for said Invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and/or their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner for Patents of the United States and of all foreign countries to issue any Patents granted for said Invention, whether on said application or on

any subsequently filed divisional, continuation, continuation-in-part, re-examination, reissue or other application, to Assignee, its successors and assigns, as the assignee of the entire interest in said Invention.

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this 17th day of November, 2006.

George Gonnella
George Gonnella

State of Massachusetts)
County of Middlesex)^{ss}

On this day and year aforesaid, before me personally appeared George Gonnella, known to me to be the person described in and the person who executed the foregoing instrument of assignment and he did acknowledge the same to be his free act and deed.

Maureen Griffin-Stone
Signature

Maureen Griffin-Stone
Notary Public
My Commission Expires
March 27, 2009

Printed Name, Notary Public
My commissioner expires: _____

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this 17th day of November, 2006.

James Cedrone
James Cedrone

State of Massachusetts)
County of Middlesex)^{ss}

On this day and year aforesaid, before me personally appeared James Cedrone, known to me to be the person described in and the person who executed the foregoing instrument of assignment and he did acknowledge the same to be his free act and deed.

Maureen Griffin-Stone
Signature

Maureen Griffin-Stone
Notary Public
My Commission Expires
March 27, 2009

Printed Name, Notary Public
My commissioner expires: _____

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this 21 day of
NOV, 2006.

Iraj Gashgae
Iraj Gashgae

State of Massachusetts
County of Middlesex)^{SS}

On this day and year aforesaid, before me personally appeared Iraj Gashgae, known to me to be the person described in and the person who executed the foregoing instrument of assignment and he did acknowledge the same to be his free act and deed.

Noreen Buckley
Signature

Noreen Buckley
Printed Name, Notary Public
My commissioner expires: 11/6/09

Noreen Buckley
Notary Public
My Commission Expires
November 6, 2009