

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5210477

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	IRAJ GASHGAEE	06/24/2016
	BRUCE GARBER	06/21/2016
	GEORGE L. GONNELLA	06/29/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ENTEGRIS, INC.	
<b>Street Address:</b>	129 CONCORD ROAD	
<b>City:</b>	BILLERICA	
<b>State/Country:</b>	MASSACHUSETTS	
<b>Postal Code:</b>	01821	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16079709	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	978-436-6500	
<b>Email:</b>	ip_prosecution@entegris.com	
<b>Correspondent Name:</b>	ENTEGRIS, INC.	
<b>Address Line 1:</b>	129 CONCORD ROAD	
<b>Address Line 4:</b>	BILLERICA, MASSACHUSETTS 01821	
<b>ATTORNEY DOCKET NUMBER:</b>	201502734 WO US	
<b>NAME OF SUBMITTER:</b>	CATHERINE D. GATES	
<b>SIGNATURE:</b>	/Catherine D. Gates/	
<b>DATE SIGNED:</b>	10/29/2018	
<b>Total Attachments: 3</b>		
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source=201502734 Provisional Assignment#page3.tif		

ASSIGNMENT

This Assignment is made by **Iraj Gashgaei** of Billerica, MA, **Bruce Garber** of Billerica, MA, and **George L. Gonnella** of Billerica, MA ("Assignors").

WHEREAS, Assignors have invented a new and useful invention entitled "**DIAPHRAGM VALVE WITH FULL CLOSURE**", for which an application for United States Letters Patent was made on **April 1, 2016**, bearing an application number of **62/317,299**;

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 for protection ("Applications"), and any patents, invention registrations or other forms of protection ("Patents") that may be granted for said Invention from any Applications 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 **129 Concord Road, Billerica, MA 01821-4600**, (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said Invention, said Applications 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 24th day of June, 2016.

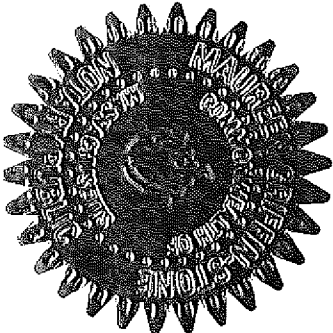
Iraj Gashgaree

State of Massachusetts )  
 )ss  
County of Middlesex )


On this day and year aforesaid, before me personally appeared **Iraj Gashgaae**, 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.

Signature

Maureen Griffin-Stone  
Printed Name, Notary Public  
My commission expires: March 16, 2023



IN WITNESS WHEREOF, I hereby set my hand and affix my seal this 21 day  
of JUNE, 2016.

  
Bruce Garber

State of Massachusetts )  
 )ss  
County of Middlesex )

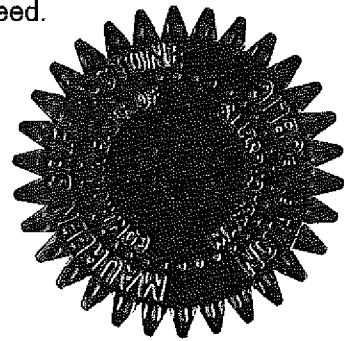
On this day and year aforesaid, before me personally appeared **Bruce Garber**, known to me to be the person described in and the person who executed the foregoing instrument of assignment and he did acknowledge the same to be his free act and deed.

Maureen Griffin-Stone  
Signature

Maureen Griffin-Stone  
Printed Name, Notary Public

My commission expires: March 16, 2023

**MAUREEN GRIFFIN-STONE**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
March 16, 2023




IN WITNESS WHEREOF, I hereby set my hand and affix my seal this 29 day of JUNE, 2016.

  
George L. Gonnella

State of Massachusetts )  
 )ss  
County of Middlesex )

On this day and year aforesaid, before me personally appeared **George L. 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.

  
 Signature \_\_\_\_\_  
 Maureen Griffin-Stone  
~~Maureen Griffin-Stone~~  
 Printed Name, Notary Public  
 My commission expires: October 14, 2016  
~~March 16, 2023~~

**Noreen Buckley**  
**Notary Public**  
My Commission Expires  
**October 14, 2016**

