504185034 01/18/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4231709

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS H. BAUM	01/17/2017
SCOTT L. BATTLE	01/09/2017
DAVID W. PETERS	01/09/2017
PHILIP S.H. CHEN	01/13/2017

RECEIVING PARTY DATA

Name:	ENTEGRIS, INC.
Street Address:	129 CONCORD ROAD
City:	BILLERICA
State/Country:	MASSACHUSETTS
Postal Code:	01821

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15302741

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 203-739-1771

Email: IP_Prosecution@Entegris.com

Correspondent Name: ENTEGRIS, INC.

Address Line 1: 7 COMMERCE DRIVE

Address Line 4: DANBURY, CONNECTICUT 06810

ATTORNEY DOCKET NUMBER:	201401169US	
NAME OF SUBMITTER:	AMIRAH SCARBOROUGH	
SIGNATURE:	/Amirah Scarborough/	
DATE SIGNED:	01/18/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 6

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PATENT REEL: 041012 FRAME: 0254

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention: COLBALT CVD

As the below named inventor, I hereby declare that:

This declaration is directed to the attached application, or:

[X] United States application or PCT international application number <u>15/302741</u> filed on October 7, 2016.

The above-identified application was made or 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 have reviewed and understand the contents of the applicant, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

AND WHEREAS, Entegris, Inc. (hereinafter ASSIGNEE), a corporation organized and existing under the laws of the State/Commonwealth of Massachusetts, and having its principal place of business at 129 Concord Road, Billerica, Massachusetts 01821, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all non-provisionals, continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

I also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

I also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions,

and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

I also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives.

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

(1) Legal Name of Inventor: Thomas H. Baum	
Signature: Moncas & Baum	Date: /-/7-/7
(2) Legal Name of Inventor: Scott L. Battle	
Signature:	Date:
(3) Legal Name of Inventor: David W. Peters	
Signature:	Date:
(4) Legal Name of Inventor: Philip S. H. Chen	
C:	Data

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

(1) Legal Name of Inventor: Thomas H. Baum

Signature:	_ Date: _	
(2) Legal Name of Inventor: Scott L. Battle		
Signature:	Date: _	1/9/17
(3) Legal Name of Inventor: David W. Peters		
Signature: Day M Galer	Date: _	1-9-17
(4) Legal Name of Inventor: Philip S. H. Chen		
Signature:	Date: _	

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(1) Legal Name of Inventor: Inomas H. Baum		
Signature:	_Date: _	
(2) Legal Name of Inventor: Scott L. Battle		
Signature:	Date: _	
(3) Legal Name of Inventor: David W. Peters		
Signature:	Date: _	
(4) Legal Name of Inventor: Philip S. H. Chen		
Signature:	Date: _	Y13/17

PATENT REEL: 041012 FRAME: 0261

RECORDED: 01/18/2017