

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EMANUEL I. COOPER	09/22/2015
LI-MIN CHEN	09/22/2015
RECEIVING PARTY DATA	
Name:	ENTEGRIS, INC.
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State/Country:	MASSACHUSETTS
Postal Code:	01821
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14648815
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DATE SIGNED:	09/12/2016
Total Attachments: 1	
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ASSIGNMENT

We, **EMANUEL I. COOPER AND LI-MIN CHEN** have made an invention which is described in U.S. Patent Application No. 14/648,815 filed June 2, 2015, in the United States Patent and Trademark Office entitled:

"COMPOSITIONS FOR CLEANING III-V SEMICONDUCTOR MATERIALS AND METHODS OF USING SAME"

We hereby assign to **Entegris, Inc., 129 Concord Road, Building 2, Billerica, MA 01821, USA**, all ownership and rights in:

- (i) the invention and U.S. Patent Application;
- (i) non-provisional, continuing, divisional and continuation-in-part applications based on and claiming benefit and/or priority of said U.S. Patent Application;
- (iii) U.S. Patents on the invention; and
- (iv) corresponding foreign patent applications and patents.

We are making this assignment based on our employment relationship with **Entegris, Inc.**

We respectfully request the Commissioner for Patents of the United States and the appropriate officers of all foreign countries to issue patents on the invention to:

Entegris, Inc.

as owner of the invention and aforementioned patent rights.

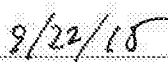
We agree to execute any other legal documents that may be required to effectuate this Assignment.

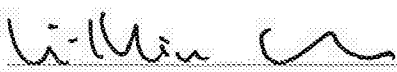
We agree that we will promptly communicate to **Entegris, Inc.** all facts which come to our attention affecting the invention or patent rights.

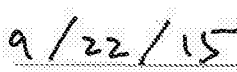
We agree that we will testify in any interference or litigation involving the invention or patent rights.

We declare that we have not done anything in conflict with this Assignment.


EMANUEL I. COOPER


Date


LI-MIN CHEN


Date