

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEVEN BILODEAU	01/13/2014
EMANUEL I. COOPER	01/13/2014
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	DANBURY
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06810
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15108696
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<b>Fax Number:</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	201301171 PCT US
<b>NAME OF SUBMITTER:</b>	ROBERT M. AMICI
<b>SIGNATURE:</b>	/Robert M. Amici/
<b>DATE SIGNED:</b>	11/02/2018
<b>Total Attachments: 1</b>	
source=201301171 Assignment to ATMI#page1.tif	

**ASSIGNMENT**

We, **STEVEN BILODEAU AND EMANUEL I. COOPER** have made an invention the specification of which is described in U.S. Provisional Patent Application 61/922,187 filed December 31, 2013, in the United States Patent and Trademark Office entitled:

**"FORMULATIONS TO SELECTIVELY ETCH SILICON AND GERMANIUM"**

We hereby assign to **Advanced Technology Materials, Inc., 7 Commerce Drive, Danbury, Connecticut, 06810**, USA, all ownership and rights in:

- (i) the invention and U.S. Provisional Patent Application;
- (i) non-provisional, continuing, divisional and continuation-in-part applications based on and claiming benefit and/or priority of said U.S. Provisional 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 **Advanced Technology Materials, 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:

**Advanced Technology Materials, Inc.**


as owners of the invention and aforementioned patent rights.

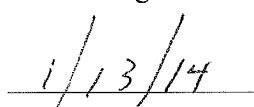
We agree to execute any other legal documents that may be required to effectuate this Assignment.

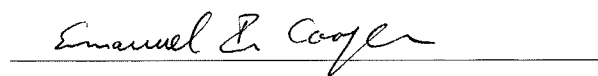
We agree that we will promptly communicate to **Advanced Technology Materials, Inc.** all facts which come to our attention affecting the invention or patent rights.

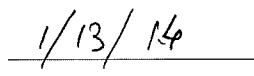
We agree that we will testify in any interference or litigation involving the invention or patent rights.

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

  
 \_\_\_\_\_  
 STEVEN BILODEAU

  
 \_\_\_\_\_  
 Date

  
 \_\_\_\_\_  
 EMANUEL I. COOPER

  
 \_\_\_\_\_  
 Date