

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NEIL COLVIN	11/07/2017
TSEH-JEN HSIEH	11/07/2017
RECEIVING PARTY DATA	
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Property Type	Number
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DATE SIGNED:	11/09/2017
Total Attachments: 2	
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ASSIGNMENT

WHEREAS we, **NEIL COLVIN** of **5 Dunbarton Drive, Merrimack, NH 03054**, and **TSEH-JEN HSIEH** of **24 Wilson Pond Lane, Rowley, MA 01969**, have invented certain new and useful improvements in:

PHOSPHINE CO-GAS CARBON IMPLANT

for which We are about to file an application for Letters Patent of the United States;

AND WHEREAS, **Axcelis Technologies, Inc.**, a Delaware corporation having its principal office and place of business at **108 Cherry Hill Drive, Beverly, Massachusetts, 01915**, is desirous of acquiring an interest, in the United States and all foreign countries, in and to said invention and the Letters Patent to be obtained therefore;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable considerations, the receipt of all of which is hereby acknowledged, we, **NEIL COLVIN** and **TSEH-JEN HSIEH**, the said; have sold, assigned and transferred, and by these presents do sell, assign, and transfer unto said **Axcelis Technologies, Inc.**, their entire right, title, and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application, which I/We have executed on the date set forth hereunder; and I/We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuation-in-part, divisions and reissues thereof, to the said **Axcelis Technologies, Inc.**, as assignees of the entire right, title and interest in and to the same, for the use and behalf of **Axcelis Technologies, Inc.**, its successors and assigns; and I/We do hereby agree that the said **Axcelis Technologies, Inc.**, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in

connection with the United States and foreign applications when called upon to do so by the said Axcelis Technologies, Inc., its successors or assigns, and that We will, at the cost and expense of the said Axcelis Technologies Inc., fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and is punishable by fine or imprisonment of not more than five (5) years or both and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

By: 
NEIL COLVIN

Dated: 11/7/2017

By: 
TSEH-JEN HSEH

Dated: 11/7/2017