

## 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>
	NATHANIEL KEMP	10/03/2018
	BADR ELMAANAOU	10/15/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	VOLCANO CORPORATION	
<b>Street Address:</b>	3721 VALLEY CENTRE DRIVE	
<b>Internal Address:</b>	SUITE 500	
<b>City:</b>	SAN DIEGO	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	92130	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15440871	
<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>		
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<b>ATTORNEY DOCKET NUMBER:</b>	2007P02227US05	
<b>NAME OF SUBMITTER:</b>	NANCY OVERLY-WALKER	
<b>SIGNATURE:</b>	/Nancy Overly-Walker/	
<b>DATE SIGNED:</b>	11/09/2018	
<b>Total Attachments: 1</b>		
source=Assignment_signed-#page1.tif		

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s) or Inventor, hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Volcano Corporation 3721 Valley Centre Drive, Suite 500, San Diego, California, 92130, USA, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

☐ is executed concurrently herewith

☒ was filed on **February 23, 2017**, having a United States Application No. **15/440,871**

☐ was filed on \*\*\*, having an International Application No. \*\*\*,

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

As a below-named Inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original Inventor or an original joint Inventor of a claimed invention in the application.

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.

Date: 10/3/2018 Signature:  \_\_\_\_\_, Assignor/Inventor  
Nathaniel KEMP

Date: 10/15/2018 Signature:  \_\_\_\_\_, Assignor/Inventor  
Badr ELMAANAOU