

## 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>
MALLAVARAPU RAMA SRIKANTH	05/09/2016
RAVI DUTT SINGH	05/09/2016
AJIT SHYAMSUNDER BOPARDIKAR	05/09/2016
TAEJIN AHN	05/09/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15158075
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)616-5700
<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>	
<b>Phone:</b>	312-616-5600
<b>Email:</b>	Assignments@leydig.com
<b>Correspondent Name:</b>	LEYDIG VOIT & MAYER, LTD
<b>Address Line 1:</b>	TWO PRUDENTIAL PLAZA, SUITE 4900
<b>Address Line 2:</b>	180 NORTH STETSON AVENUE
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60601-6731
<b>ATTORNEY DOCKET NUMBER:</b>	724154
<b>NAME OF SUBMITTER:</b>	GERALD T. GRAY
<b>SIGNATURE:</b>	/Gerald T. Gray/
<b>DATE SIGNED:</b>	05/18/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	

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**COMBINED DECLARATION AND ASSIGNMENT**

Title of Invention: METHOD AND DEVICE FOR GENERATING PILEUP FILE FROM  
COMPRESSED GENOMIC DATA

**DECLARATION**

As an inventor named below, I hereby declare for:

- ☐ the attached patent application, or  
☐ United States patent application or PCT international patent application number \_\_\_\_\_ filed  
\_\_\_\_\_ that:

- (i) the patent application identified above was made or authorized to be made by me;  
(ii) I believe that I am the original inventor or an original joint inventor of an invention claimed in the patent application identified above; and  
(iii) 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 fine and imprisonment.

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are acknowledged, I sell, assign, and transfer to

SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do,  
16677, KR

(hereinafter "ASSIGNEE") and its successors, assigns, and legal representatives, my entire right, title and interest for the United States of America, as defined in 35 U.S.C. 100, in the invention(s) disclosed in the patent application identified above, and any and all extensions, divisions, reissues, reexaminations, continuations, or continuations-in-part patent applications of the patent application identified above;

I authorize and request the United States Director of Patents and Trademarks to issue any and all United States Letters Patent which may be granted for the invention(s) disclosed in the patent application identified above, and any and all extensions, divisions, reissues, reexaminations, continuations, or continuations-in-part patent applications of the patent application identified above, and the right to all benefits under the Patent Corporation Treaty, and the international Convention for the Protection of Industrial Property to the ASSIGNEE, for its interest as ASSIGNEE; and

I agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, continuation, divisional, continuation-in-part, reissued, or reexamined Letters Patent of the United States, upon request of the ASSIGNEE, and without further remuneration, in and to any improvements, and applications for patent based on the patent application identified above, growing out of or related to the invention(s) disclosed in the patent application identified above, and to execute any papers of the ASSIGNEE, deemed essential to ASSIGNEE'S full protection and title in and to the invention(s) transferred by this Assignment.

It is agreed the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto.


I authorize ASSIGNEE to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment.

  
\_\_\_\_\_  
Mallavarapu Rama Srikanth


Date 2016.5.9

  
\_\_\_\_\_  
Ravi Dutt Singh

Date 2016.5.9

  
\_\_\_\_\_  
Ajit Shyamsunder Bopardikar

Date 2016.5.9

  
\_\_\_\_\_  
Taejin Ahn

Date 2016.5.9